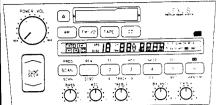




KEH-M9741ZT



7. Sep. 1989 Scheuer

ORDER NO. CRT 1232

CAR STEREO

KEH-M9741zT us

KEH-M9741zT-91 us

KEH-M9741zt-02 us

KEH-M9741zt-92 us

KEH-9641zT us

KEH-9641zT-91 US

KEH-9641zt-02 us

KEH-9641zT-92 US

These models have been installed in LEXUS LS400.

Model	Supplementary Model	Part No.	ID No.	Remark
KEH-M9741ZT	KEH-M9741ZT-91	86120-50040	P626	Leather
KEH-M9741ZT-02	KEH-M9741ZT-92	86120-50030	P625	Moquette
KEH-9641ZT	KEH-9641ZT-91	86120-50020	P624	Leather
KEH-9641ZT-02	KEH-9641ZT-92	86120-50010	P623	Moquette

Note:

- See the separate manual CX-156 (CRT-468) for the cassette mechanism description.
- Dolby and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.

• These models are used in combination with following models.

Car Stereo	CD Player	Amplifier
KEH-M9741ZT	CDX-M9741ZT	GM-9641ZT
KEH-M9741ZT-02	CDX-M9741ZT	GM-9641ZT
KEH-9641ZT		GM-9641ZT
KEH-9641ZT-02		GM-9641ZT

• KEH-M9741ZT-91, KEH-M9741ZT-92, KEH-9641ZT-91 and KEH-9641ZT-92 are the model number of an optional supplementary models.

These are indentical to the KEH-M9741ZT, KEH-M9741ZT-02, KEH-9641ZT and KEH-M9641ZT-02 except for the addition of following items.

	KEH-M9741ZT-91	KEH-M9741ZT-92	KEH-9641ZT-91	KEH-9641ZT-92
Corton	CHG1628	CHG1627	CHG1630	CHG1629
Contain Box				
Styrofoam (Upper)	CHP1157	CHP1157	CHP1157	CHP1157
Styrofoam (Lower)	CHP1158	CHP1158	CHP1158	CHP1158
Polyethylene Bag				

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1. SPECIFICATIONS

```
Power sourse \cdots 13.2V (10.6-16.0V allowable)
Grounding system ······ Negative type
Dimensions
  [7 \text{ (W)} \times 4-1/4 \text{ (H)} \times 6-1/8 \text{ (D) in.}]
  (Nose) \cdots 226 (W) \times 109 (H) \times 30 (D) mm
                           [8-7/8 (W) \times 4-1/4 (H) \times 1-1/4 (D) in.]
Weight ..... 2. 8kg (6. 2 1bs)
Amplifier
Maximum power output \cdots 20W \times 4
Load impedance \cdots \qquad 4\,\Omega
Tone Controls
  (Bass) .... ± 10dB (100Hz)
  (Mid) .... ± 10 dB (1 kHz)
  (Treble) ..... ± 10dB (10kHz)
Tape player
Tape ...... Compact cassette tape (C30-C90)
Tape speed ...... 4.76 cm/sec. (+0.14 cm/sec., -0.05 cm/sec.)
Wow & flutter ······· Less than 0.15% (WRMS)
Crosstalk ..... More than 40 dB
Stereo separation ..... More than 30 dB
Signal-to-noise ratio
       Dolby NR IN ..... More than 45 dB
       Dolby NR OUT ..... More than 40 dB
FM tuner
Frequency range · · · · · · · 87.9-107.9 MHz
Usable sensitivity \cdots 15 \pm 6 \, d\, B\, \mu\, V
Signal-to-noise ratio ····· More than 48 dB
 Distortion · · · · Less than 1.5%
 Stereo separation ······ More than 25 dB
 AM tuner
 Frequency range ······ 530-1710 kHz
 Usable sensitivity \cdots 25 \pm 6\,d\,B\,\mu\,V
 Usable selectivity \cdots More than 30dB (\pm 9kHz)
 Signal-to-noise ratio ····· More than 40 dB
```



2. CONNECTOR FUNCTION DESCRIPTION

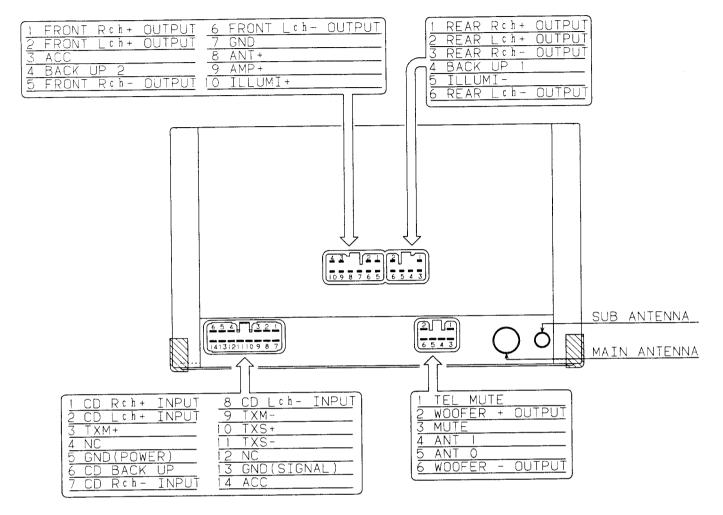


Fig. 1

3. DISASSEMBLY

• Removing the Cover

- 1. Insert and turn a flat screwdriver to remove the cover.
- 2. Raise the cover to remove.

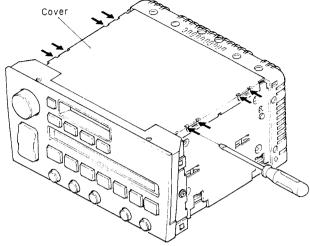


Fig. 2

• Removing the Cassette Mechanism Assy

- 1. Remove the four screws, and then remove the holder.
- 2. Disconnect the connector, and then raise the cassette mechanism assy.

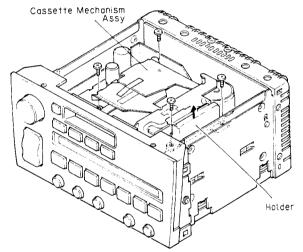


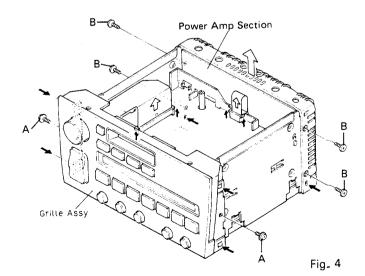
Fig. 3

• Removing the Grille Assy

- Disconnect the connector, and then remove the two screws A.
- 2. Disengage the stopper at four locations indicated by arrows.

• Removing the Power Amp Section

- 1. Remove the four screws B.
- 2. Disengage the stopper at two locations indicated by
- 3. Raise the power amp P.C. board.





• Removing the Control Unit

- 1. Disconnect the two connectors.
- 2. Remove the four screws.
- 3. Remove the control unit.

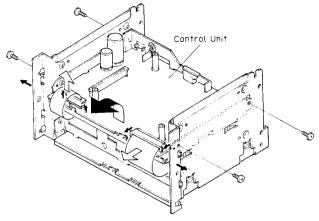


Fig. 5

• Removing the Heat Sink

- 1. Remove the screw C and four screws D.
- 2. Remove the heat sink.

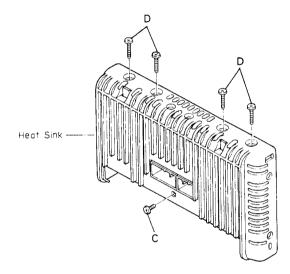


Fig. 6

Removing the Communication Unit (KEH-M9741ZT, KEH-M9741ZT-02)

- 1. Disconnect the two connectors.
- 2. Remove the three screws, and then remove the communication unit.

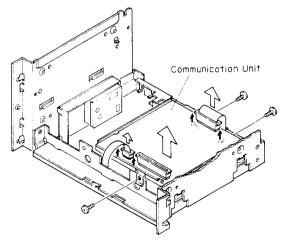


Fig. 7

• Removing the Tuner P.C. Board

- 1. Remove the two screws, and then remove the side panels.
- 2. Remove the solder at location indicated by arrow.
- 3. Straighten the claw, and then remove the tuner P.C. board.

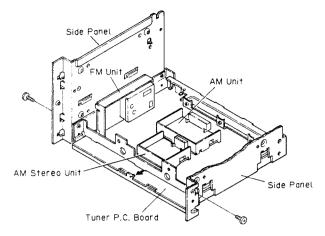


Fig. 8

Removing the FM Unit, AM Unit and FM Stereo Unit

- 1. Remove the solder at location indicated by arrows.
- 2. Straighten the claws.
- 3. Remove the each units.

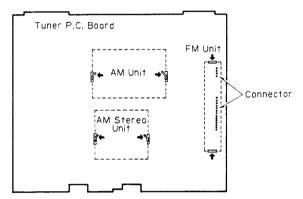


Fig. 9

Removing the Key Board Unit, Volume P.C. Board A and Volume P.C. Board B

- 1. Disconnect the two connectors.
- 2. Remove the twelve screws.
- 3. Remove the each units.

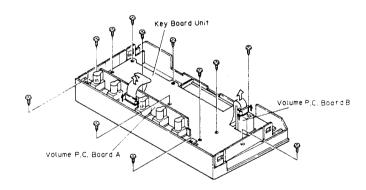


Fig. 10

4. ANTI-THEFT SECURITY SYSTEM

4.1 HOW TO INPUT THE THREE DIGIT SECURITY SYSTEM CODE

1. ACCESS MODE

First...

BE SURE THAT:

- · the radio unit is turned off
- the ignition switch is in "ACC"

Then...

HOLD the "1 [REW]" and "6 [D]]" buttons, and simultaneously PUSH and HOLD the "POWER. VOL" knob in, until "SEC" appears, then release buttons.

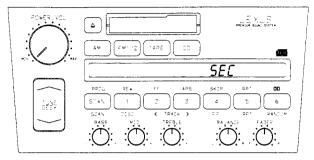


Fig. 11

2. READY MODE

PRESS and HOLD the "TUNE [\land]" button in and PRESS the "1 [REW]" button. The display will read " \blacklozenge ——".

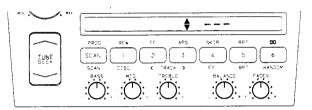


Fig. 12

3. INPUT MODE

Note: User has up to ten seconds to input each digit.

Now you're ready to input a three digit Identification Number.

To set the first ID digit:

 PRESS "1 [REW]" repeatedly until the desired number appears on the display

To set the second ID digit:

PRESS "2 [FF]" repeatedly until the desired number appears on the display

To set the third ID digit:

PRESS "3 [APS]" repeatedly until the final desired number appears on the display

EXAMPLE: If the desired ID number is 314, you'd press "1 [REW]" four times, press "2 [FF]" twice, and press "3 [APS]" five times. (Code digits range zero through nine.)

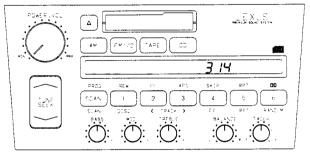


Fig. 13

4. SET MODE

With the ID number now appearing on the display:

 PRESS the "SCAN [PROG]" button and HOLD it in until "SEC" appears for a few seconds, then it will GO DARK.

NOTE: 1) CREATE AN ID NUMBER EASY TO REMEMBER

- 2) KEEP ID NUMBER IN A RELIABLE PLACE
- 3) DON'T LEAVE ID NUMBER IN THE VEHICLE!

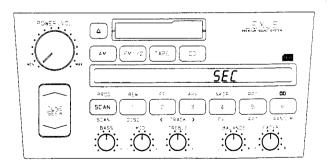


Fig. 14

4.2 HOW TO CHANGE THE THREE DIGIT SECURITY SYSTEM CODE

1. ACCESS MODE

First...

BE SURE THAT:

- the radio unit is turned off
- the ignition switch is in "ACC"

Then...

HOLD the "1 [REW]" and "6 [][]" buttons, and simultaneously PUSH and HOLD the "POWER. VOL" knob in, until "SEC" appears, then release buttons.

2. READY MODE

PRESS and HOLD the "TUNE [\wedge]" button in and PRESS the "1 [REW]" button. The display will read "♦ ----".

3. INPUT MODE

Input existing three digit ID numbers.

4. SET MODE

Then, push "SCAN [PROG]." The display will now read "---" continuously.

* ("ERR" See "ERROR MESSAGE")

5. READY MODE

PUSH "TUNE [\land]" and "1 [REW]" simultaneously. The display will read " \blacklozenge ——".

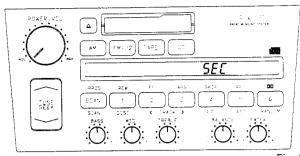
6. INPUT MODE

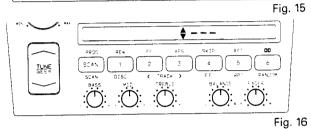
Now you're ready to input a new three digit Identification Number.

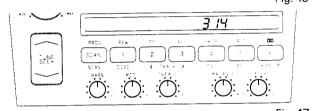
7. SET MODE

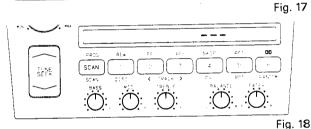
With the ID number now appearing on the display:

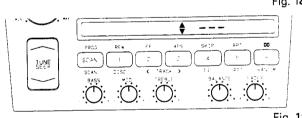
PRESS the "SCAN [PROG]" button and HOLD it in until "SEC" appears for a few seconds, then it will GO DARK.

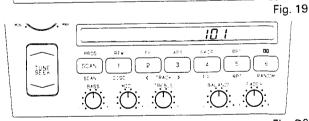












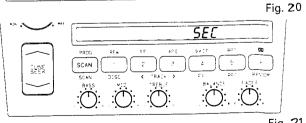


Fig. 21

4.3 HOW TO CLEAR THE SECURITY CODE

1. ACCESS MODE

First...

BE SURE THAT:

- · the radio unit is turned off
- the ignition switch is in "ACC"

Then...

HOLD the "1 [REW]" and "6 [D]]" buttons, and simultaneously PUSH and HOLD the "POWER. VOL" knob in, until "SEC" appears, then release buttons.

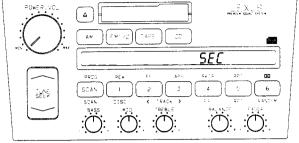


Fig. 22

2. READY MODE

PRESS and HOLD the "TUNE [\land]" button in and PRESS the "1 [REW]" button. The display will read " \blacklozenge ---".

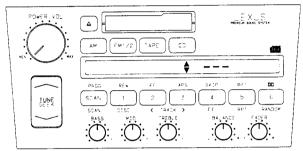


Fig. 23

3. INPUT MODE

Input existing three digit ID numbers.

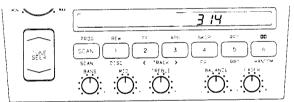


Fig. 24

4. SET MODE

Then, push "SCAN [PROG]." The display will now read "——" continuously.

* ("ERR" See "ERROR MESSAGE")

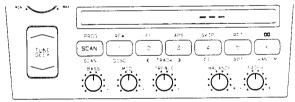


Fig. 25

- WAIT for ten seconds. The security system clears itself and the display will GO DARK.
 - * (The security code should be cleared when the vehicle is resold.)

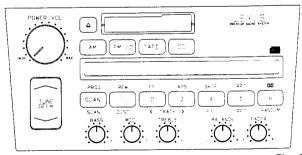


Fig. 26

4.4 HOW TO REACTIVATE A DISABLED ETR

1. If the power is disconnected by an attempted theft or loss of battery power, the display will read "SEC" continuously when the key is "on." Also, when the ignition key is turned to ACC, none of the ETR functions will function.

2. READY MODE

PRESS and HOLD the "TUNE [\land]" button in and PRESS the "1 [REW]" button. The display will read " \blacklozenge ---".

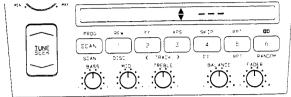


Fig. 27

3. INPUT MODE

Now you're ready to input the existing three digit Identification Number.

To set the first ID digit:

 PRESS "1 [REW]" repeatedly until the desired number appears on the display

To set the second ID digit:

PRESS "2 [FF]" repeatedly until the desired number appears on the display

To set the third ID digit:

PRESS "3 [APS]" repeatedly until the final desired number appears on the display

EXAMPLE: If the desired ID number is 314, you'd press "1 [REW]" four times, press "2 [FF]" twice, and press "3 [APS]" five times. (Code digits range zero through nine.)

Note: User has up to ten seconds to input each digit.



With the ID number now appearing on the display:

 PRESS the "SCAN [PROG]" button and HOLD it in until "SEC" appears for a few seconds, then it will GO DARK.

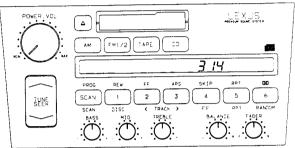


Fig. 28

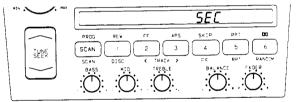


Fig. 29

ERROR MESSAGE

If the wrong buttons are pushed, "Err" will appear before "SEC" appears. Go back to Step 2 and try again. Or, if the display returns to "♣ ----" during your input, try again from Step 3. BUT:

BE CAREFUL! On the fifth wrong input, the ETR unit goes dead and must be reactivated by an authorized service station

TO VERIFY that the ID number has been accepted as the security code, turn the key "off," then turn it back on, "SEC" should appear. Once the anti-theft system is properly set, "SEC" will appear on the display each time the ignition key is turned to "ACC" after being off.

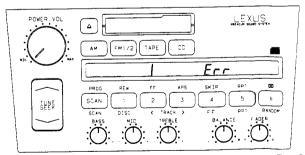


Fig. 30

5. GENERAL GUIDE

5.1 RADIO

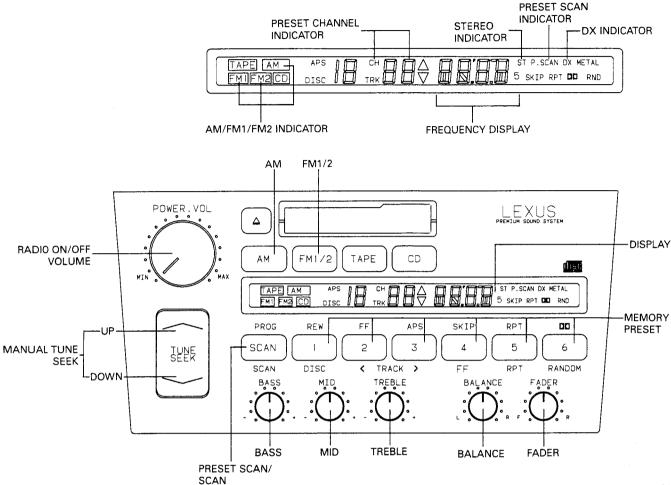


Fig. 31

• Manual/Seek Tuning:

When the \land (up) side of the TUNE button is pressed, the frequency is increased by 2 MHz in the FM band and by 10 kHz in the AM band, and when the v (down) side is pressed, the frequency is decreased in the same way. Holding the button depressed for more than 0.5 seconds starts seek tuning, which stops when a station broadcasting a sufficiently strong signal is received.

When only weak signals or no station is received, the frequency returns to the initial frequency, then the reception is changed to the DX mode.

Memory Preset:

- Select the required band among the FM1, FM2, and AM bands.
- (2) Tune to the broadcast station required to be stored in memory.
- (3) Press and hold one of the Memory Preset button for about 2 seconds.

- (4) A beep tone will be heard when the tuned station is stored in the memory corresponding to the Memory Preset button pressed.
- (5) Up to six stations can be memorized for each of the FM1, FM2 and AM bands.

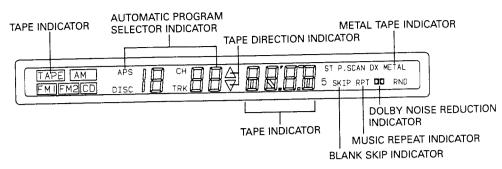
Preset Scan/Scan Tuning:

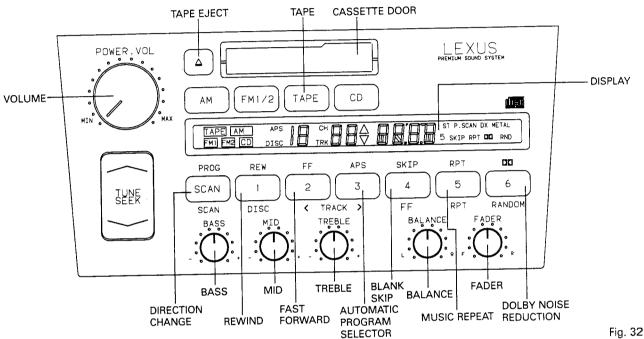
When the SCAN button is pressed, all the stations stored in the Memory Preset buttons will be received for 5 seconds in sequence.

When the SCAN button is held pressed for more than 2 seconds, the Scan Tuning mode is activated and station broadcasting strong signals will be received for 5 seconds in sequence. When the tuning returns to the frequency from which the Scan Tuning was started, the receiving mode is changed to the DX mode.

To release Preset Scan or Scan Tuning, press the SCAN button again.

5.2 TAPE





Rewind/Fast Forward:

Press the REW (or FF) button to rewind (fast-forward) the tape, and press it again to release the function.

• APS:

With the APS button, the beginning of any required tune up to 9 tunes before and after the current tune can be detected automatically. After pressing the APS button the number of times corresponding to the number of the tune to which you want to skip (for three times to select the 3rd tune), press the FF button to search in the forward direction or press the REW button to search in the reverse direction. The tape will stop at the beginning of the designated tune and play starts automatically.

(For example)

When the FF button is pressed after pressing the APS button three times, the tape is fast-forward by skipping two tunes in the forward direction, and play will start from the beginning of the 3rd tune.

• Blank Skip:

With the SKIP button pressed ON, when a blank (non-recorded) section of more than 15 seconds is detected, the tape is fast-forwarded to the beginning of the next tune. When the SKIP button is pressed again, the Blank Skip function is released.

• Music Repeat:

With the RPT button pressed ON, when the current tune is finished, the tape will be rewound to the beginning of the tune and play will restart automatically. When the RPT button is pressed again, the Music Repeat function is released.

Dolby Noise Reduction*

Press this button when using a tape recorded with the Dolby (B type) Noise Reduction system. Press the button again to release it.

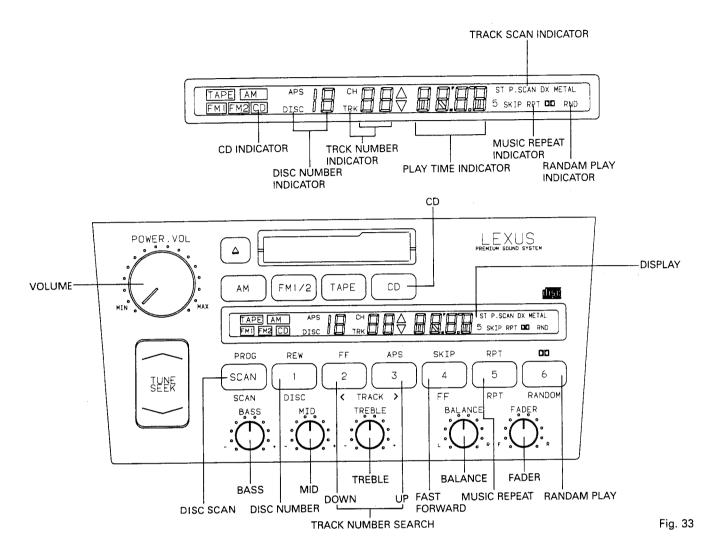
* Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

Dolby and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

• Ejecting Tape:

The tape can be ejected at any time by pushing the TAPE EJECT button.

5.3 CD



Changing the Discs:

When the DISC button is pressed, the disc number is counted up, and the disc designated by the DISC button will be played. When the DISC button is held pressed for more than 0.5 seconds, the disc number is counted up continuously. If a tray with no disc in the magazine loaded in the CD changer is selected, the corresponding disc number will not be displayed.

• Track Search:

When the TRACK < button is pressed, the track number is counted down and the designated track will be played. When the TRACK < button is held pressed for more than 0.5 seconds, the track number will be counted down continuously.

When the TRACK > button is pressed, the track number is counted up and the designated track will be played. When the TRACK > button is held pressed for more than 0.5 seconds, the track number will be counted up continuously.

• Fast Forward:

The playing position is fast-forwarded while the FF button is pressed. During fast-forwarding, playback sound can be heard.

• Music Repeat:

When the RPT button is pressed, the current track will be played repeatedly. Press the RPT button again to release the Music Repeat function.

Random Play:

When the RANDOM button is pressed, the track to be played next will be selected automatically by the built-in microcomputer.

Disc Scan:

When the SCAN button is pressed, the beginning of all the tracks on the discs loaded in the CD changer will be played for 10 seconds in sequence. When play returns to the disc from which Track Scan was started, Track Scan will be released. To release the Track Scan function during its operation, press the SCAN button again.

6. CIRCUIT DESCRIPTION

6.1 DATA COMMUNICATIONS

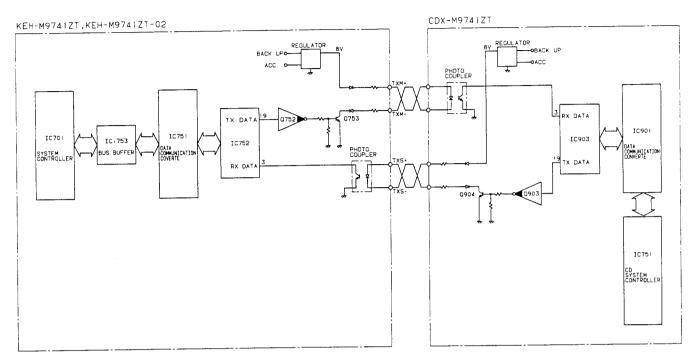


Fig. 34

Communication Interface for Operation Control

1) Communication specifications

Synchronization:

Asynchronous

Baud rate:

4800 bps

Start bit length:

1 bit

Data bit length:

8 bit

Parity bit:

Even

Signal level:

ON +8 V, OFF 0 V

Communication method: Half-duplex

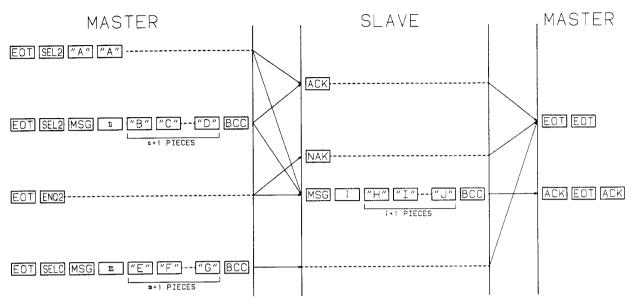
2) Transmission control system

Polling, system selection by master station

3) Signal terminal specifications

Pin name	Definition	Signal direction
① TXM +	: Master transmission power supply (+8 V)	Master → Slave
② TXM -	: Master transmission output (open collector)	Master → Slave
③ TXS+	: Master receiving input (positive)	Master ← Slave
④ TXS-	: Master receiving input (negative)	Master ← Slave

Data Format



NOTE:

"A", "B",...."J":COMMAND, CONDITION, DATA OF INDICATION

BCC: ERROR CHECK

1,m,n:NUMBER OF DATA

THE OTHERS: COMMUNICATION CONTROL CODE

Fig. 35

• Communication Timing Chart

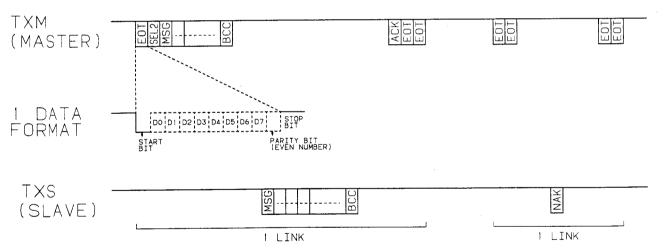
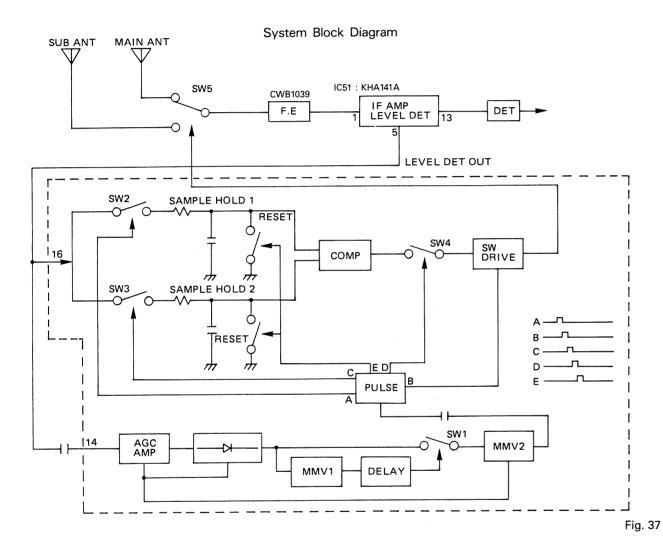


Fig. 36

6.2 FM DIVERSITY SYSTEM

The system incorporates two antennas and one tuner. Noise elements in the signal meter voltage are detected, and whenever noise is present the levels of the two antennas are compared. The antenna with the higher level is selected.



Noise due to multipath distortion, etc. appears in the LEVEL DET OUT signal from pin 5 of IF IC KHA141A. The noise passes through a capacitor and is supplied to the AGC amplifier where it is amplified. Then it is rectified. This signal is then supplied to MMV1. After being delayed by approximately $40-50~\mu \rm sec.$ in the next delay circuit, it closes SW1 for a few $\mu \rm sec.$ (determined by MMV1). If new noise is generated while SW1 is closed, this noise is supplied to MMV2. After wave shaping, it is supplied to the pulse generation circuit.

The pulse generation circuit generates in sequence pulses A - E shown in the figure.

A is supplied to SW2, and sample and hold is performed on the ANT level for the signal being received at that point. B is supplied to SW DRIVE and the antenna is switched. C is supplied to SW3, and sample and hold is performed on the antenna input level after ANT was switched. D is supplied to SW4, closing it. The sample-and-hold 1 and 2 comparison output is sent to SW DRIVE.

At this point, if the ANT input level from before the switch is higher, ANT is switched back to the original antenna. If the ANT input level after the switch is higher, ANT remains connected to the current antenna. As described above, whenever noise is supplied to MMV2, the input levels of the two antennas are compared and the antenna with the higher level input is chosen.

6.3 MOTOR ANTENNA CONTROL

Radio Status	ANT (+)	ANT (0)	ANT (1)	ANTENNA POSITION
OFF	L	L	L	With antenna shortened
During cassette or CD play	L	L	L	"
During AM broadcast reception	Н	Н	Н	Long
During FM broadcast reception (87.9 – 96 MHz)	Н	Н	L	Medium
During FM broadcast reception (96.1 – 107.9 MHz)	Н	L	L	Short
During AM seek or scanning	Н	Н	Н	Long
During FM seek or scanning (Starts from 87.9 – 96 MHz)	Н	Н	L	Medium
During FM seek or scanning (Starts from 96.1 – 107.9 MHz)	Н	L	L	Short

6.4 ELECTRONIC VOLUME

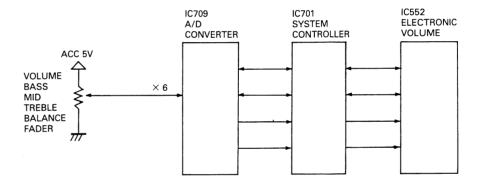
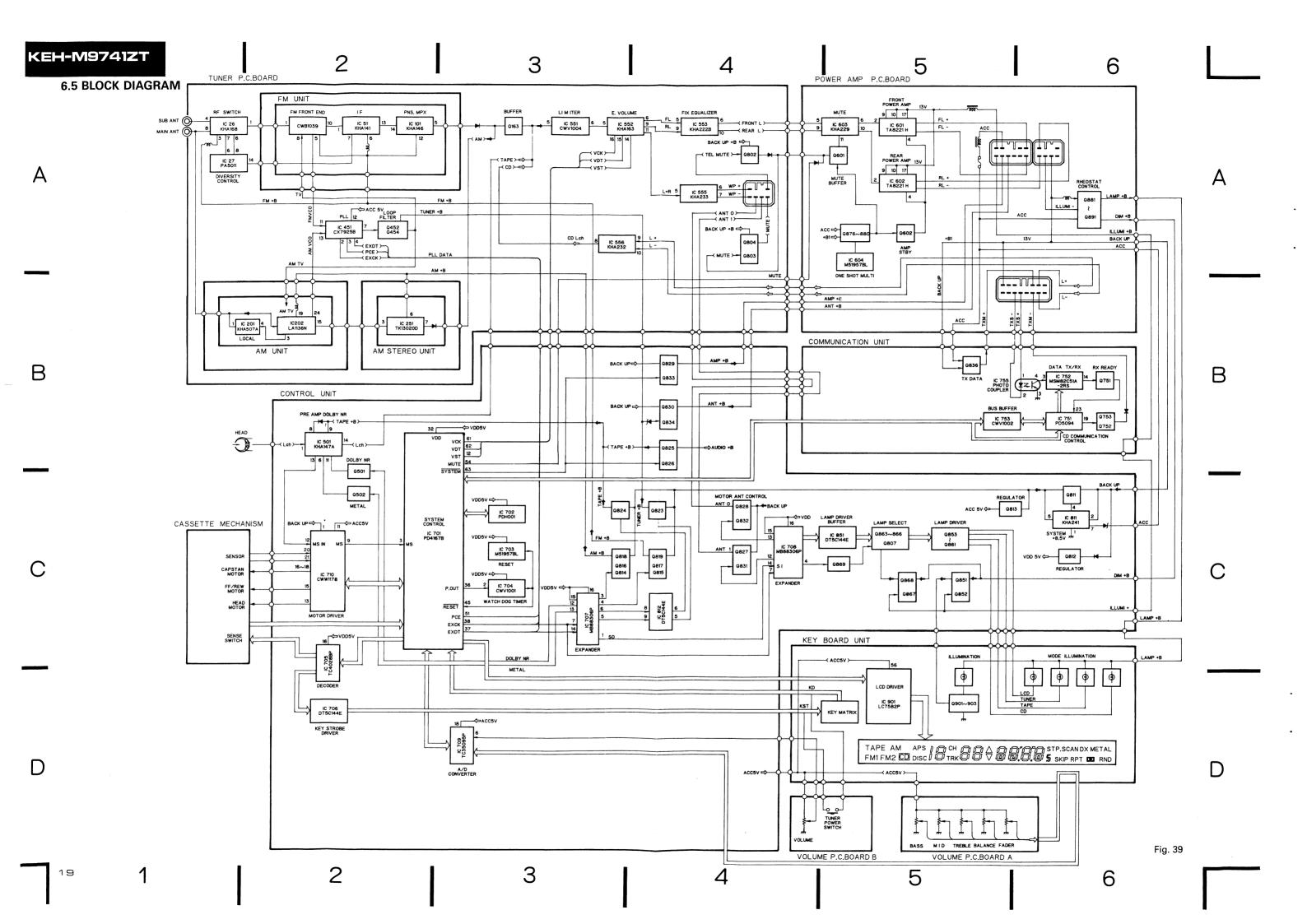


Fig. 38

In this unit, an electronic volume control circuit in IC552 is controlled by serial data. For operation of the electronic volume control circuit, the midpoint voltages of six variable resistors — VOLUME, BASS, MID, TREBLE, BALANCE and FADER — according to the rotation angles of the VRs are transmitted to IC709 in which analog signals are converted into digital signals. Then, the signal is converted into serial data in IC701, and applied to IC552 to be used for controlling the electronic volume control circuit in IC552.



6.6 DATA COMMUNICATION BLOCK DIAGRAM

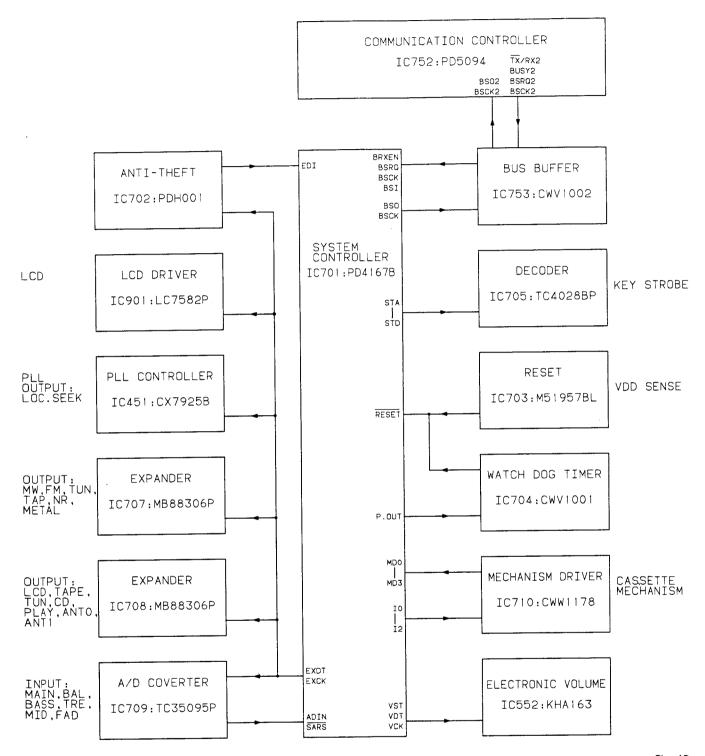
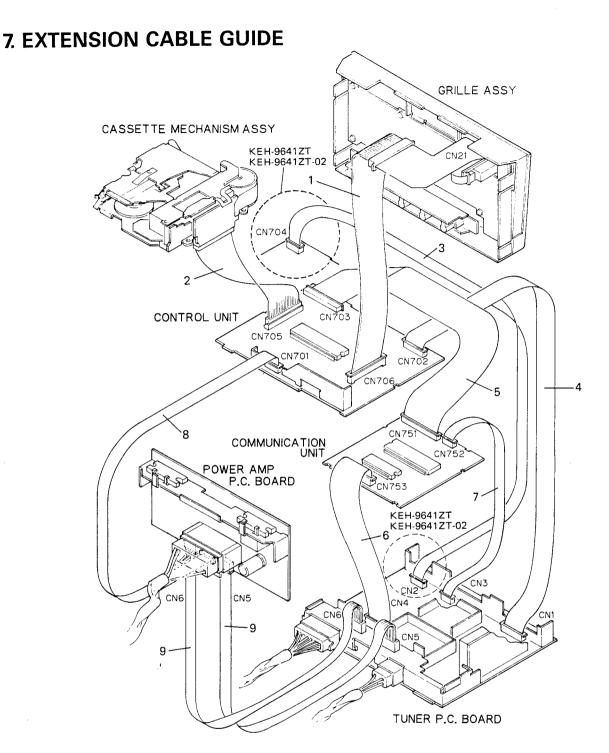


Fig. 40



No.	Part No.	Note	No.	Part No.	Note
1	GGF-126		6	GGF1017	KEH-M9741ZT, KEH-M9741ZT-02
2	GGF-070		1	GGF1016	KEH-M9741ZT, KEH-M9741ZT-02
3	GGF1018	KEH-9641ZT, KEH-9641ZT-02	8	GGF1015	
4	GGF1013		9	GGF-079	
5	GGF1014	KEH-M9741ZT, KEH-M9741ZT-02			

Fig. 41

8. ADJUSTMENT

8.1 TEST MODE

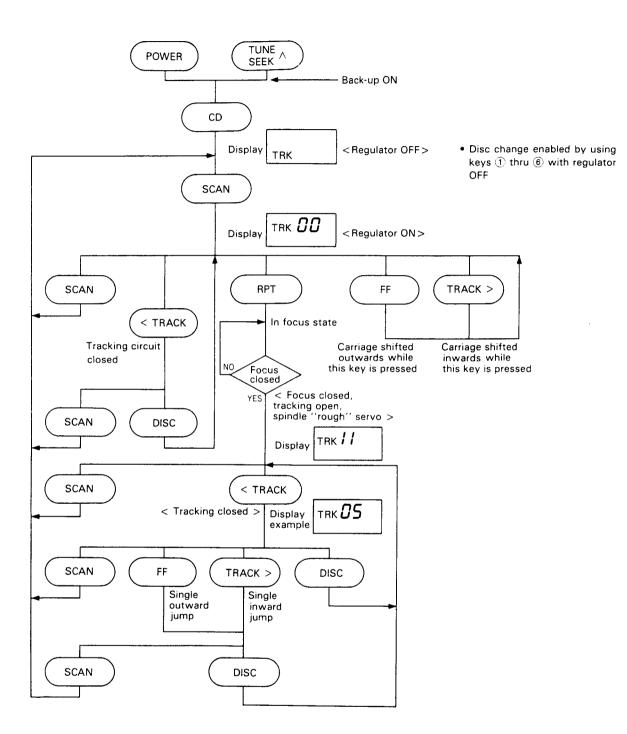
Test mode is mainly used in adjustment of CD multi-player CDX-M9741ZT

- Switching to test mode
 While pressing the POWER, TUNE keys together, switch
 the back-up ON.
- Canceling test mode Switch the CD multi-player back-up OFF.
- Key functions during test mode
 The CD multi-player is selected by the CD key.

a) CD multi-player

Key	Function
SCAN	DD converter ON/OFF
FF	FWD kick
TRACK >	REV kick
TRACK <	Tracking close
DISC	Tracking open
RPT	Focus close
RANDOM	Disc change

• Flow Chart

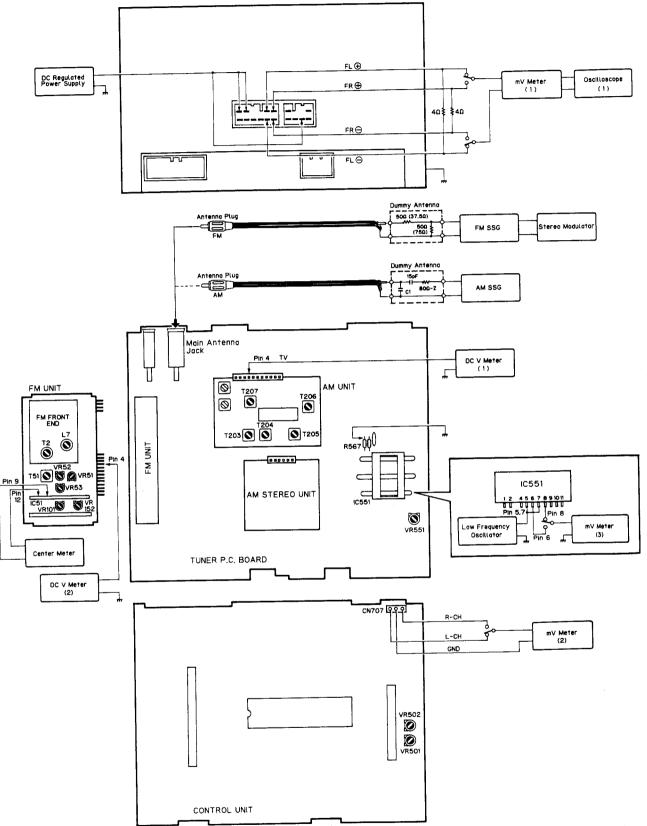


8.2 AUDIO/TUNER ADJUSTMENT

NOTICE:

Select C1 so that total capacity of 80pF is attained from the direction of the receiver jack.

Z: Output impedance of SSG.



DOLBY NR ADJUSTMENT

No.	Cassette Tape	Adjusting Point	Adjustment Method (Switch Position)
1	NCT-150 (400Hz, 200nwb/m)	VR501 (Lch) VR502 (Rch)	mV Meter(2):388mV(-6dBs) (DOLBY NR Switch:OFF)

LIMITER ADJUSTMENT

No.	lo. Low Frequency Oscillator Adjusting Point		Adjustment Method	
	Frequency (Hz)	Frequency (Hz) Level (mV)		(Switch Position)
1	2,000	500		R567 connect to ground. mV Meter(3):A dB
2	5 0	500	VR 5 5 1	mV Meter(3):A±0.5 dB

AM ADJUSTMENT

No	No	AM SSG (400	1Hz, 30%)	Displayed	Adjusting	Adjustment Method
INU.	Frequency (kHz)	Level (dBμV)	rrequency (kHz)	roint	(Switch Position)	
1	530	2 5	530	T 2 0 7	DC V Meter(1): 1.0±0.3V	
2	1.710	2 5	1, 710		Verify that DC V Meter is less than 6.0 ± 0.5 V.	
3	600	2 5	600	T203, 204, 205, 206	mV Meter(1):Maximum	
1	1.000	35±8	1,000		Verify that SEEK stops. SEEK stops level:BdB	
2	1,000	B + 22 ± 5	1,000		Verify that SEEK stops.	
	3	No. Frequency (kHz) 1 530 2 1.710 3 600 1 1.000	Frequency (kHz) Level (dB μ V) 1 530 25 2 1.710 25 3 600 25 1 1.000 35±8	No. Frequency (kHz) Level (dB μ V) Frequency (kHz) 1 530 25 530 2 1.710 25 1.710 3 600 25 600 1 1.000 35±8 1.000	No. Frequency (kHz) Level (dB μ V) (kHz) Point 1 530 25 530 T207 2 1.710 25 1.710 — 3 600 25 600 T203.204, 205.206 1 1.000 35±8 1.000	

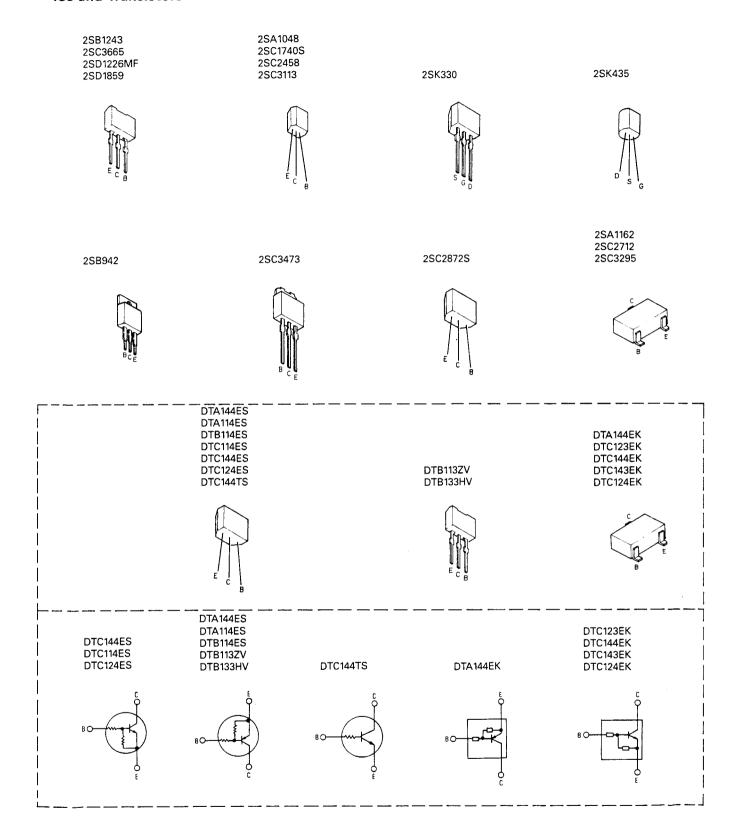
FM ADJUSTMENT

%1 Stereo MOD.: 1kHz, L+R=90%, Pilot=10%

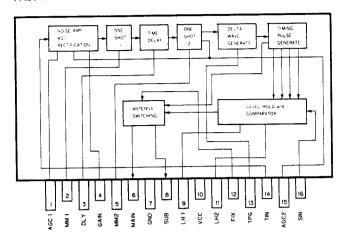
※ 2 Disconnect antenna plug

	No	FM \$86 (400	Hz, 100%)	Displayed Frequency	Adjusting Point	Adjustment Method (Switch Position)	
	No.	Frequency (MHz)	Level (dBμV)	(MHz)	7 0 1 11 0	(0)	
1 F	1	98.1	60	98.1	T 5 1	Center Meter:0	
ro-	1			107.9	L7	DC V Meter (1):6.7±0.2V	
nt End	2			87.9		Verify that DC V Meter is more than 2.2 \pm 0.6 V.	
	3	98. 1	15	98.1	T2	mV Meter(1):Maximum	
ARC	1	98. 1	60	98.1	VR51	DC V Meter (2):2.5±0.1V	
MPX	1	98.1 ※1	60	98.1	VR101	mV Meter(1):Separation Maximum	
	2	98.1 ※1	35	98.1	VR152	mV Meter(1):Separation 5dB	
	3	98.1 ※1	60	98.1		mV Meter(1):CdB	
	4	98.1 ※1	-∞ ※2	98.1	VR53	mV Meter(1):C-20dB	
SEEK	1	98.1	22±6	98.1	V R 5 2	Make SEEK stop. SEEK stops level:DdB	
	1	98.1	D+28±10	98.1		Verify that SEEK stops.	

• ICs and Transistors



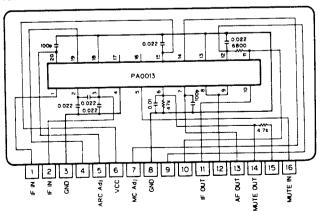
PA5011



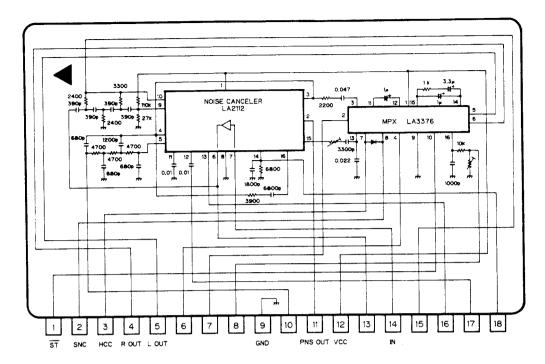
• Pin Functions (PA5011)

Pin No.	Pin Name	I/O	Functions and Operation
1	AGC1		Connected to gain control, noise amplifier AGC1 CR.
2	MM1		Connected to MMV1 output pulse width setting capacitor.
3	DLY		Connected to time delay setting capacitor.
4	GAIN		Connected to noise amplifier gain setting CR.
5	MM2		Connected to MMV2 output pulse width setting capacitor.
6	MAIN	0	"L" when the main antenna is selected.
7	GND		
8	SUB	0	"L" when the sub antenna is selected. Output phase is the opposite of that of the main antenna. Open corrector output.
9	LH1		Connected to level hold 1 capacitor.
10	VCC		
11	LH2		Connected to level hold 2 capacitor.
12	FIX	1	Auto mode when open. Fixed at main antenna when connected to GND. Fixed at sub antenna when connected to VCC.
13	TPG		Connected to timing pulse generation capacitor.
14	TIN	T	Noise amplifier input terminal. The tuner signal meter output signal passes through a capacitor and is input.
15	AGC2		Connected to noise amplifier AGC2 CR.
16	SIN	1	Level hold circuit input terminal. Tuner signal meter output signal is input.

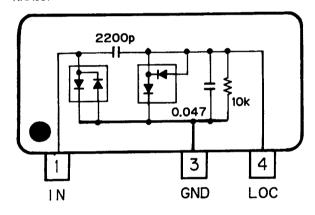
KHA141A



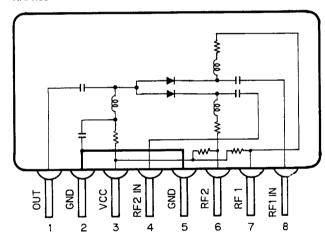




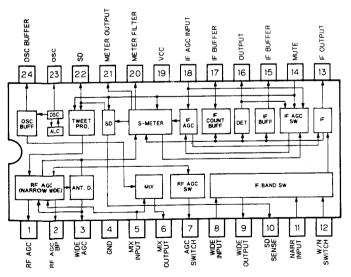
KHA507



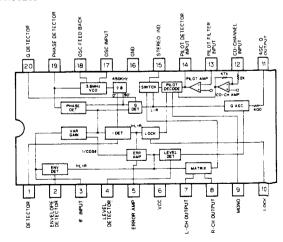
KHA168

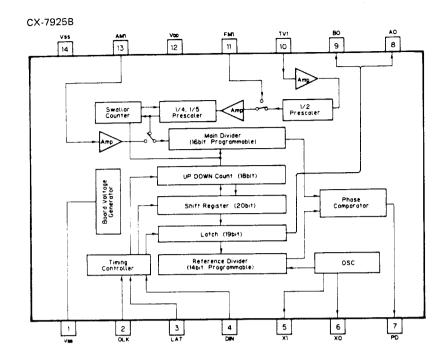


LA1136N

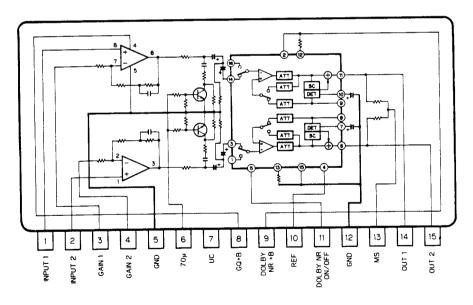


TK13020D

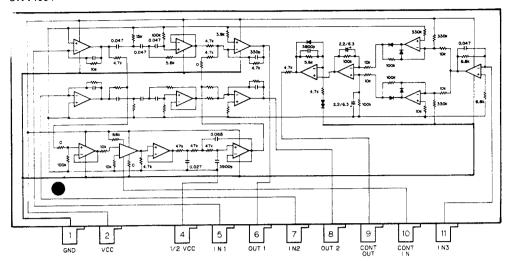




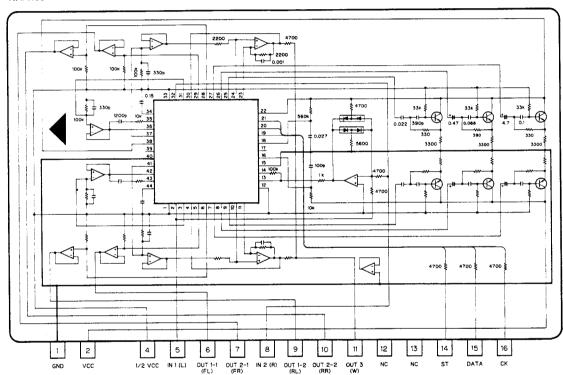
KHA147

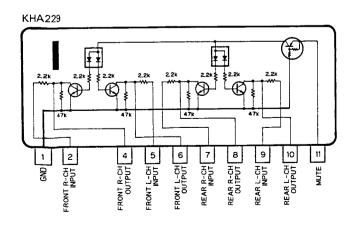


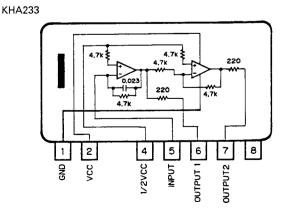
CWV1004



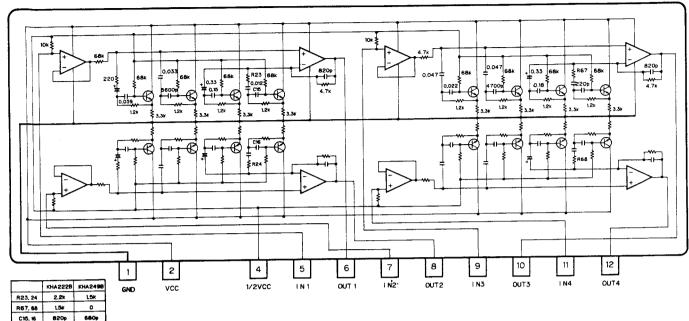
KHA163





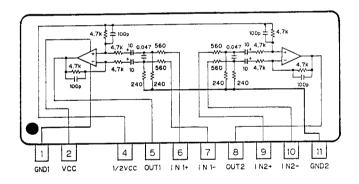




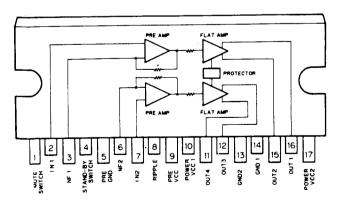


*PD4167B

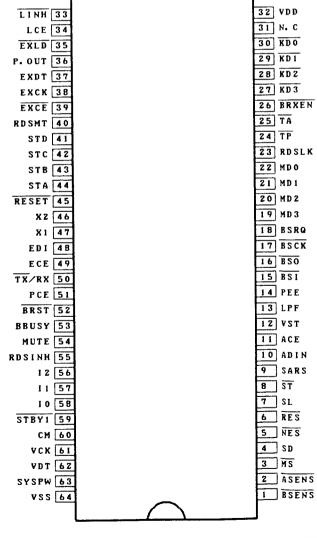
KHA232A



TA8221H



IC's marked by * are MOS type. Be careful in handling them because they are very liable to be damaged by electrostatic induction.



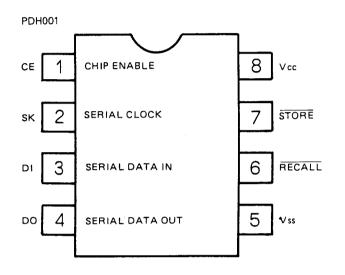
• Pin Function (PD4167B)

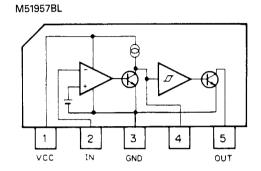
Pin No. Name 1/O Output Format 1 BSENS Input Back up power sense input pin 2 ASENS Input ACC power sense input pin 3 MS Input Tape MS signal input pin 4 SD Input SD input pin 5 NES Input Reel pulse input pin for forward side tape 6 RES Input Station level analog voltage input 8 ST Input Status input pin for A/D converter(ICT) 9 SARS Input Status input pin for A/D converter(ICT) 10 ADIN Input C Chip enable output pin for electronic (ICTO) 12 VST Output C Not used 14 PEE Output C Beep tone output pin f=4kHz 100mS	
ACC power sense input pin MS Input Tape MS signal input pin SD input pin NES Input Reel pulse input pin for forward side tape RES Input Reel pulse input pin for reverse side tape RES Input Station level analog voltage input ST Input Status input pin for A/D converter(ICTOS) ADIN Input C Chip enable output pin for electronic (ICTOS) VST Output C Not used	
3 MS Input Tape MS signal input pin 4 SD Input SD input pin 5 NES Input Reel pulse input pin for forward side tape 6 RES Input Station level analog voltage input 8 ST Input Stereo input pin 9 SARS Input Status input pin for A/D converter(ICT) 10 ADIN Input Data input pin for A/D converter(ICT) 11 AGE Output C Chip enable output pin for A/D converter(ICT) 12 VST Output C Strobe pulse output pin for electronical (ICT) 13 LPF Output C Not used	
4 SD Input SD input pin 5 NES Input Reel pulse input pin for forward side tape 6 RES Input Reel pulse input pin for reverse side tape 7 SL input Station level analog voltage input 8 ST Input Stereo input pin 9 SARS Input Status input pin for A/D converter(ICT) 10 ADIN Input Data input pin for A/D converter(ICT) 11 ACE Output C Chip enable output pin for A/D converter(ICT) 12 VST Output C Strobe pulse output pin for electronical (ICT) 13 LPF Output C Not used	
5 NES Input Reel pulse input pin for forward side tape 6 RES Input Reel pulse input pin for reverse side tape 7 SL Input Station level analog voltage input 8 ST Input Status input pin for A/D converter(ICT) 10 ADIN Input Data input pin for A/D converter(ICT) 11 ACE Output C Chip enable output pin for A/D converter(ICT) 12 VST Output C Strobe pulse output pin for electronic (ICT) 13 LPF Output C Not used	
tape 6 RES Input Reel pulse input pin for reverse side tape 7 SL Input Station level analog voltage input 8 ST Input Stereo input pin 9 SARS Input Status input pin for A/D converter(ICT) 10 ADIN Input Data input pin for A/D converter(ICT) 11 ACE Output C Chip enable output pin for A/D converter(ICT) 12 VST Output C Strobe pulse output pin for electronic (ICT) 13 LPF Output C Not used	
tape 7 SL input Station level analog voltage input 8 ST input Stereo input pin 9 SARS input Status input pin for A/D converter(ICT) 10 ADIN input Data input pin for A/D converter(ICT) 11 ACE Output C Chip enable output pin for A/D converter(ICT) 12 VST Output C Strobe pulse output pin for electronic (ICT) 13 LPF Output C Not used	of the
8 ST Input Stereo input pin 9 SARS Input Status input pin for A/D converter(ICT 10 ADIN Input Data input pin for A/D converter(ICTOS 11 ACE Output C Chip enable output pin for A/D convert (ICTO9) 12 VST Output C Strobe pulse output pin for electronic (ICTO9) 13 LPF Output C Not used	
9 SARS Input Status input pin for A/D converter(ICT) 10 ADIN Input Data input pin for A/D converter(ICT) 11 ACE Output C Chip enable output pin for A/D converter(ICT) 12 VST Output C Strobe pulse output pin for electronic (ICT) 13 LPF Output C Not used	
10 ADIN Input Data input pin for A/D converter(IC706 11 ACE Output C Chip enable output pin for A/D converter (IC709) 12 VST Output C Strobe pulse output pin for electronic (IC552) 13 LPF Output C Not used	
11 ACE Output C Chip enable output pin for A/D convert (1C709) 12 VST Output C Strobe pulse output pin for electronic (1C552) 13 LPF Output C Not used	709)
(1C709) 12 VST Output C Strobe pulse output pin for electronic (1C552) 13 LPF Output C Not used	})
(1C552) 13 LPF Output C Not used	ter
Not used	volume
14 PEE Output C Beep tone output pin f=4kHz 100mS	
15 BST Input Bus communication serial data input p	in
16 BSO Output C Bus communication serial data output	pin
17 BSCK input C Bus communication serial clock input/pin f=65kHz	output
18 BSRQ input Bus communication survice request input	ut pin
19 MD3 Input Mechanism switch sense input pins	
1 1 22 MDO	AP-NOT
23 RDSLK input Not used	
24 TP Input Not used	
25 TA Input Not used	
26 BRXEN Input Bus communication reception enable in	put pin
27 KD3 Input Key data input pins	
30 KD0	
31 N. C	

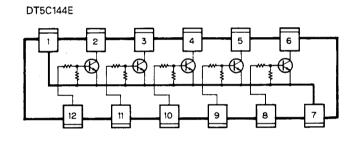
Pin No.	Pin Name	1/0	Output Format	Function and Operation
32	VDD			Device power supply terminal
33	LINH	Output	С	Inhibit output pin for LCD driver(IC901)
34	LCE	Output	С	Chip enable output pin for LCD driver(IC901)
35	EXLD	Output	С	Data load output pin for expander(IC707, 708)
36	P. OUT	Output	С	Pulse output pin for watch dog timer(IC704)
37	EXDT	Output	С	Data output pin for external [C
38	EXCK	Output	С	Clock output pin for external IC
39	EXCE	Output	С	Chip enable pin for expander(IC707, 708)
40	RDSMT	Output	С	Not used
4.1	STD	Output	С	Mechanism switch, strobe output pins
44	STA			
45	RESET	Input		Reset input pin
46 47	1			Crystal oscillator connection pins
48	EDI	Input		Serial data output pin for EEPROM(1C702)
49	ECE	Output	С	Chip enable pin for EEPROM(IC702)
50	TX/RX	Output	С	Bus communication TX(Transmission)/RX(Reception) control output pin
51	PCE	Output	C	PLL IC(IC451) chip enable pin
52	BRST	Output	С	Bus communication reset output pin
53	BBUSY	Output	С	Bus communication busy output pin
54	MUTE	Output	С	System mute output pin
55	RDSINH	Output	С	Not used
56 57 58	I 1	Output	G	Data output pins for mechanism driver(IC710)
59	STBYI	Output	С	Standby output pin for mechanism driver(IC710)
60	CM	Output	С	Capstan motor ON/OFF control output pin
61	VCK	Output	С	Clock output pin for electronic volume(IC522)
62	VDT	Output	C	Data output pin for electronic volume(IC522)
63	SYSPW	Output	C	Power amplifier power ON/OFF control output pin

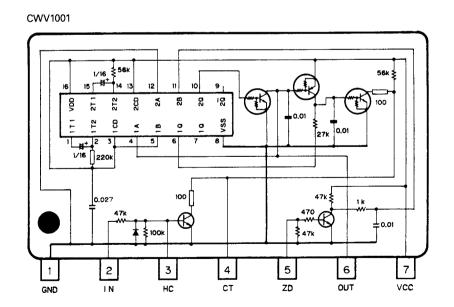
Pin No.	Pin Name	1/0	Output Format	Function and Operation
64	vss			GND terminal

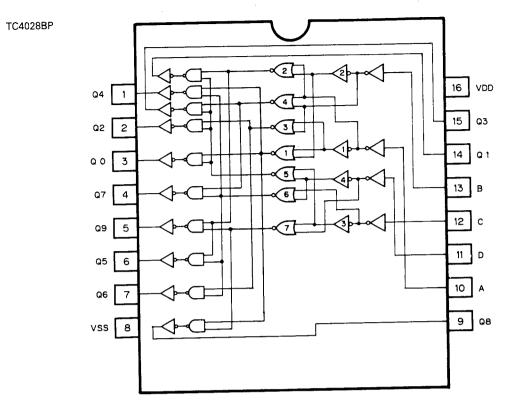
Output format	Meaning
N	N channel open drain
С	C-MOS







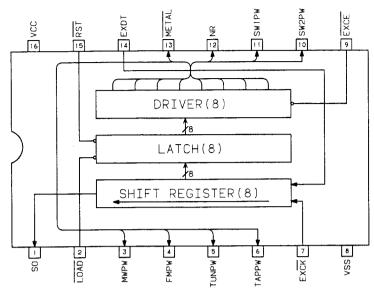




• Pin Function (TC4028BP)

Pin No.	Pin Name	1/0	Output Format	Function and Operation
1	KST1			
2	кѕтз			
3	кѕто			
4	кѕт2	Output	С	Key matrix strobe output pins
5	KST4			
6	кѕт5			
7	кѕт6			
8	vss			GND terminal
9	MST0		į	
14	MST1	Output	С	Mechanism switch, strobe output pins
15	MST2			
10	A			
1 1	D	Input		Data input pins
12	С	1,1,000		
13	В			
16	VDD			Device power supply terminal

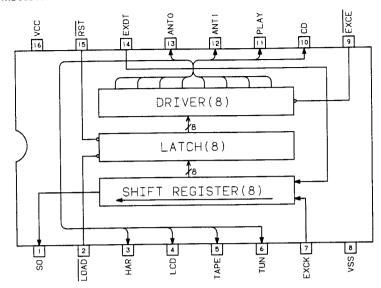
IC707: MB88306P



• Pin Function (IC707 : MB88306P)

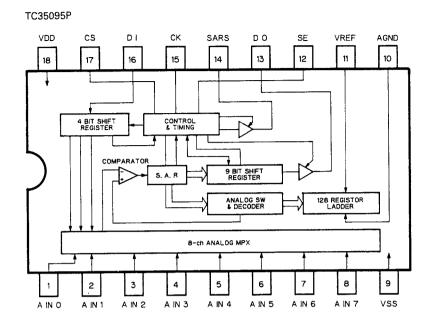
Pin No.	Pin Name	1/0	Output Format	Function and Operation
1	so	Output	С	Serial data output pin
2	LOAD	Input		Data load input pin
3	MWPW	Output	С	MW+B ON/OFF select output pin
4	FMPW	Output	С	FM+B ON/OFF select output pin
5	TUNPW	Output	O	Tuner+B ON/OFF select output pin
6	TAPPW	Output	С	Tape+B ON/OFF select output pin
7	EXCK	Input		Clock input pin
8	vss			GND terminal
9	EXCE	Input		Chip enable input pin
10	SW2PW	Output	U	SW2+B ON/OFF select output pin
1 1	SW1PW	Output	U	SW1+B ON/OFF select output pin
12	NR	Output	O	Dolby NR ON/OFF select output pin
13	METAL	Output	U	Tape METAL ON/OFF select output pin
14	EXDT	Input	С	Serial data output pin
15	RST	lnput		Reset input pin
16	VDD			Device power supply terminal





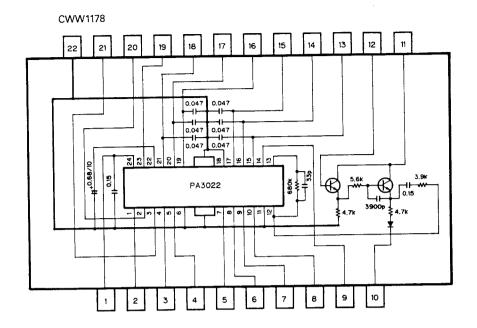
• Pin Function (IC708 : MB88306P)

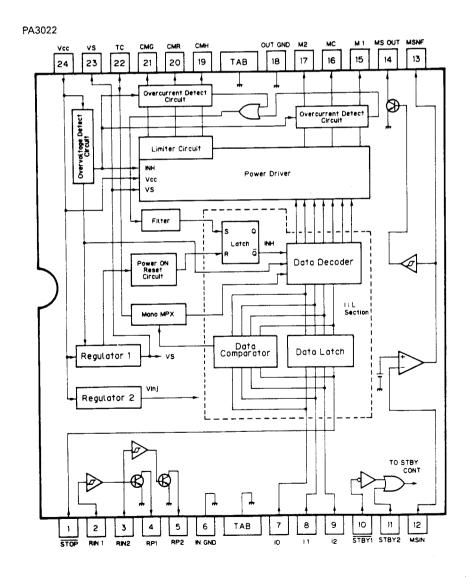
Pin No.	Pin Name	1/0	Output Format	Function and Operation
1	so	Output	C	Serial data output pin
2	LOAD	Input		Data load input pin
3	HAR	Output	U	Not used
4	LCD	Output	С	Lamp of LCD ON/OFF control output pin
5	TAPE	Output	C	Lamp of TAPE ON/OFF control output pin
6	TUN	Output	С	Lamp of TUNER ON/OFF control output pin
7	EXCK	Input		Clock input pin
8	vss			GND terminal
9	EXCE	Input		Chip enable input pin
10	CD	Output	С	Lamp of CD ON/OFF control output pin
1 1	PLAY	Output	С	Tape MS filter select output pin
12	ANT1	Output	С	ANT1 control output pin
13	ANTO	Output	С	ANTO control output pin
14	EXDT	Input	С	Serial data output pin
15	RST	Input		Reset input pin
16	VDD			Device power supply terminal



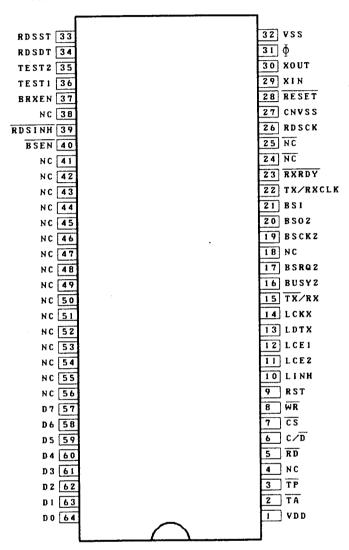
• Pin Function (TC35095P)

Pin No.	Pin Name	1/0	Output Format	Function and Operation
1	N. C			Not used
2	N. C			Not used
3	BASS	Input		BASS level input terminal
4	TRE	Input		TREBLE level input terminal
5	FAD	Input		FADER level input terminal
6	MAIN	Input		VOLUME level input terminal
7	BAL	lnput		BALANCE level input terminal
8	MID	Input		MIDDLE level input terminal
9	vss			GND terminal
10	AG			Analog GND terminal
1 1	VREF	Input		Reference voltage input pin
12	SE	Input		Not used
13	DO	Output	С	Serial data output pin
14	SARS	Output	С	Status output pin
15	EXCK	Input		Serial clock input pin
16	EXDT	Input		Data input pin
17	ACE	Input		Chip enable input pin
18	VDD			Device power supply terminal





*PD5094

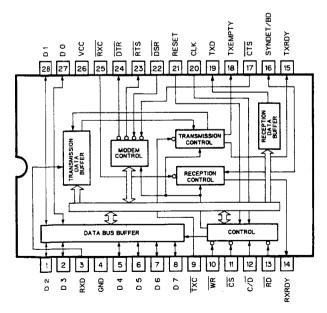


• Pin Function (PD5094)

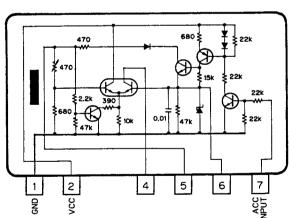
Pin No.	Pin Name	1/0	Output Format	Function and Operation
1	VDD			Device power supply terminal
2	TA	Output	C	Not used
3	TP	Output	С	Not used
4	NC			
5	מא	Output	С	Read signal output pin for IC752
6	C/D	Output	С	Control/Data switching signal output pin for 10752
7	ਰਡ	Output	C	Chip select signal output pin for IC752
8	wĸ	Output	С	Write signal output pin for IC752
9	RST	Output	С	Reset signal output pin for 10752
10	LINH	Output	С	Not used
1 1	LCE2	Output	С	Not used
12	LCE1	Output	С	Not used
13	LDTX	Output	С	Not used
14	LCKX	Output	С	Not used
15	TX/RX2	Output	С	Bus communication TX(Transmission)/RX(Reception) control output pin
16	BUSY2	Output	С	Bus communication busy output pin
17	BSRQ2	Output	С	Bus communication service request output pin
18	NC			
19	BSCK2	Input/ Output	С	Bus communication serial clock input/output pin f=19.2kHz
20	BSO2	Output	С	Bus communication serial data output pin
21	BSI	Input		Bus communication serial data input pin
22	TX/RX CLK	Output	С	Communication sampling clock output pin for 1C753 f=76.8kHz
23	RXRDY	Input		Reception request input pin
24	NC			
25	NC			
26	RDSCK	Input		Not used
27	CNVSS	Input		GND

Pin No.	Pin Name	1/0	Output Format	Function and Operation
28	RESET	1nput		Reset input pin
29 30	XIN XUUT	Input Output	С	Crystal oscillator connection pins
31	Φ	Output	O	Clock output pin for IC752 f=1, 228, 800Hz
32	vss			GND
33	RDSST	Input		Not used
34	RDSDT	Input		Not used
35 36	TEST2 TEST1	lnput		Not used
37	BRXEN	Input		Bus communication reception enable input pin
38	NC			
39	RDSINH	Input		Not used
40	BSEN	Input		Back up power sense input pin
41 1 56	NC			
57 64	D7 DO	1nput/ Output		Data input/output pins for IC752

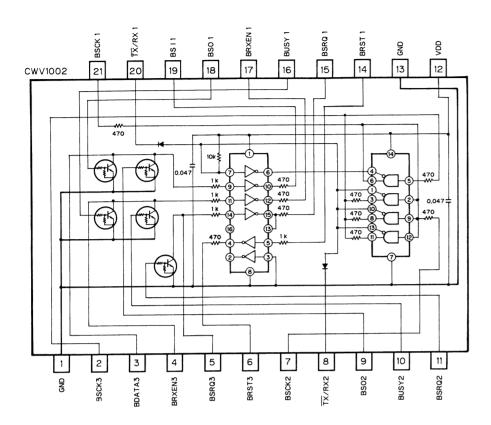
MSM82C51A-2RS-H



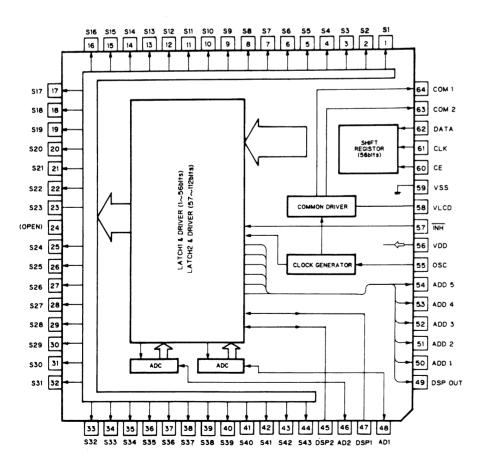
KHA241



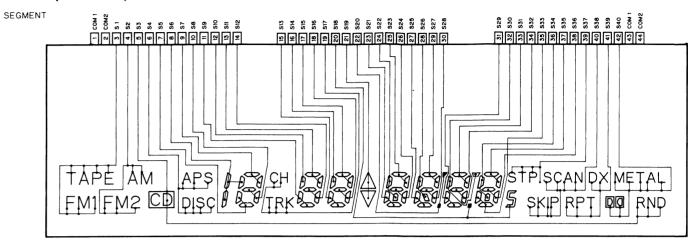
CWV1002



LC7582P



• LCD (CWA1044)



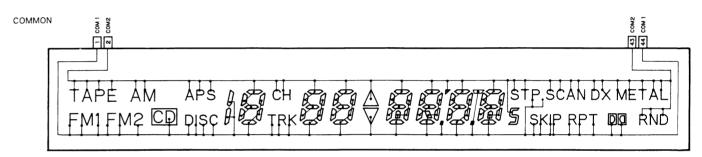
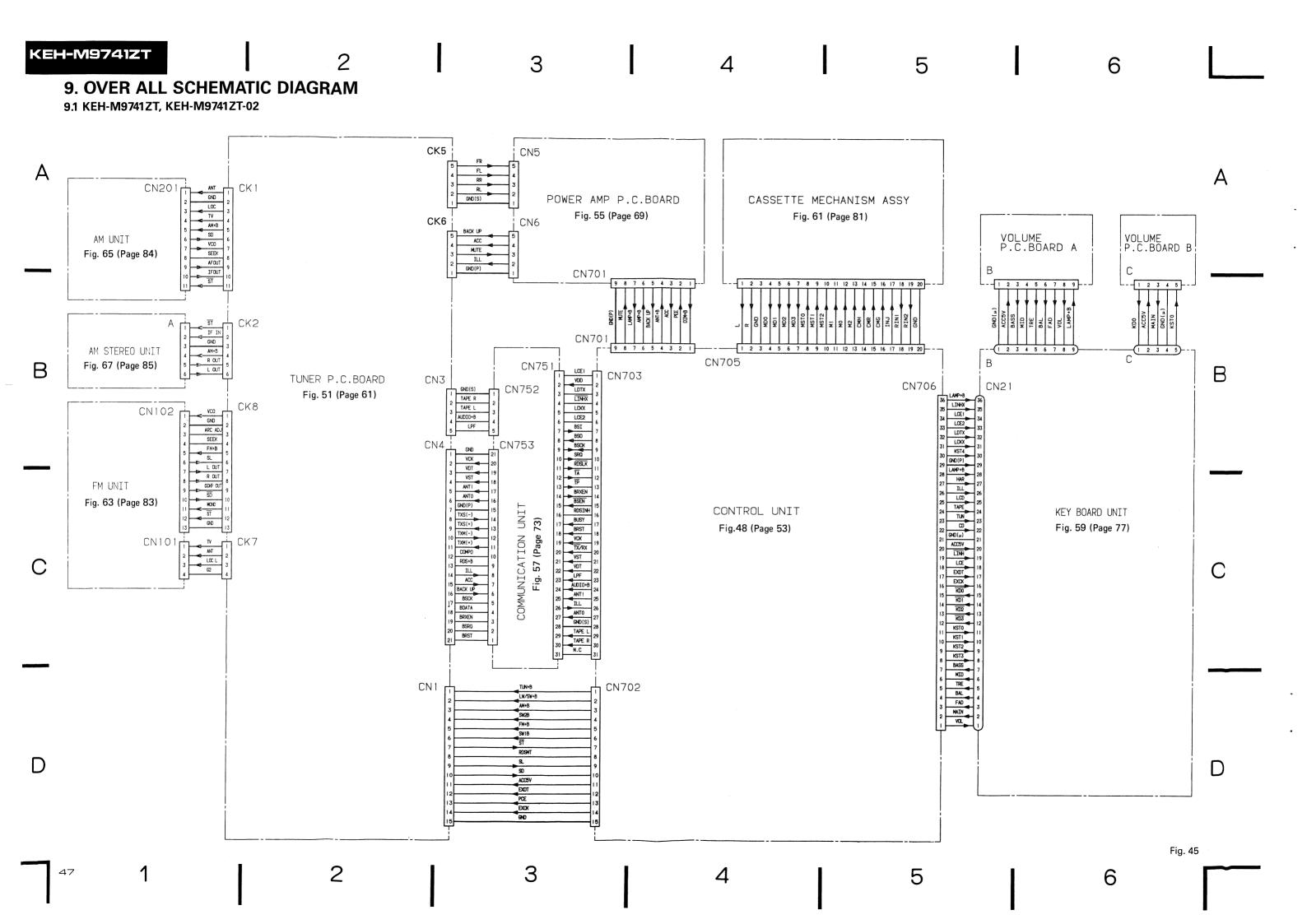
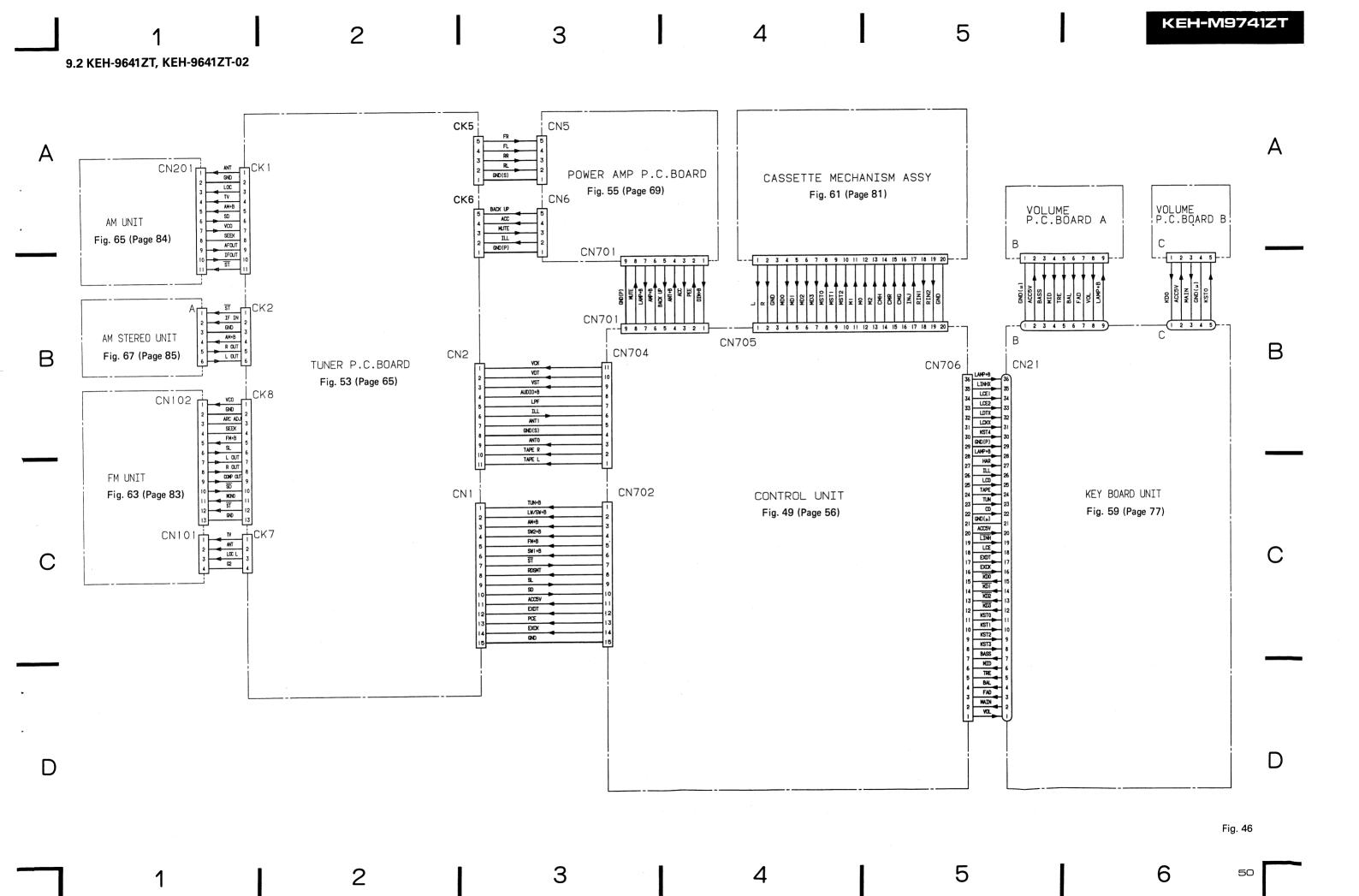


Fig. 43

• FM FRONT END (CWB1039)

NOTE:
Decimal points for resistor
and case tion fine value
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6

10. SCHEMATIC DIAGRAM AND P.C. BOARD PATTERNS

10.1 CONTROL UNIT (KEH-M9741ZT, KEH-M9741ZT-02)

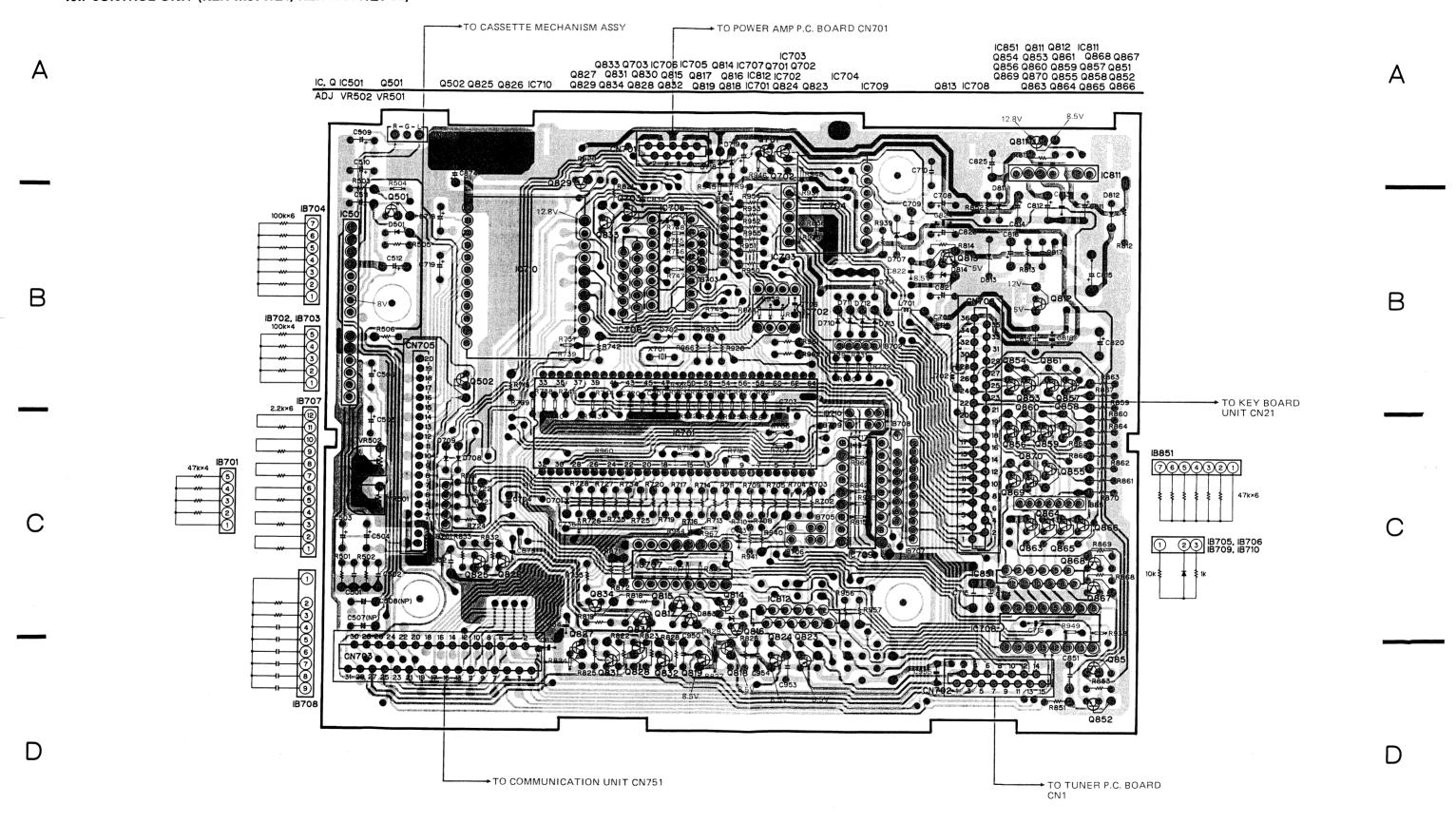


Fig. 47

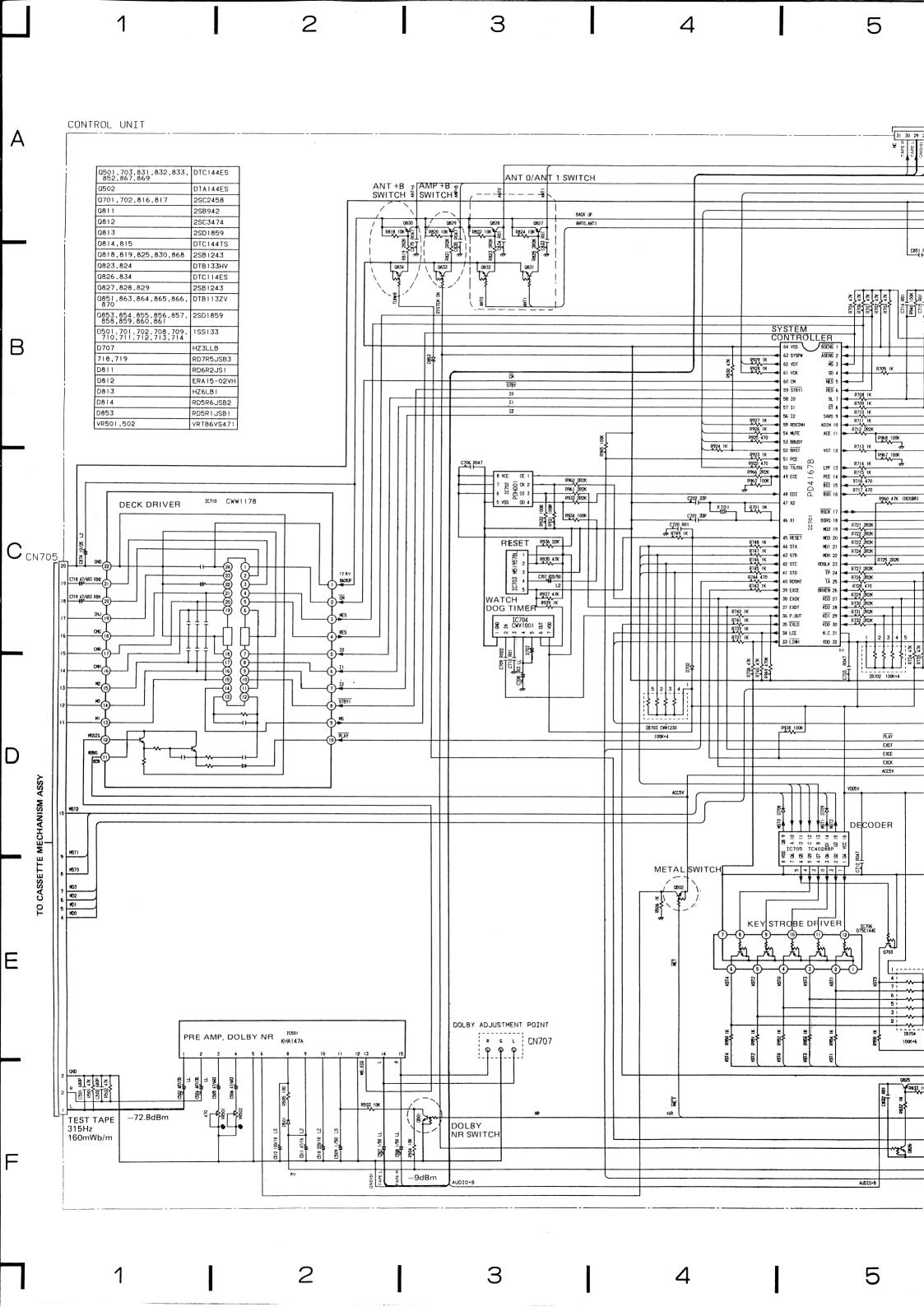
.

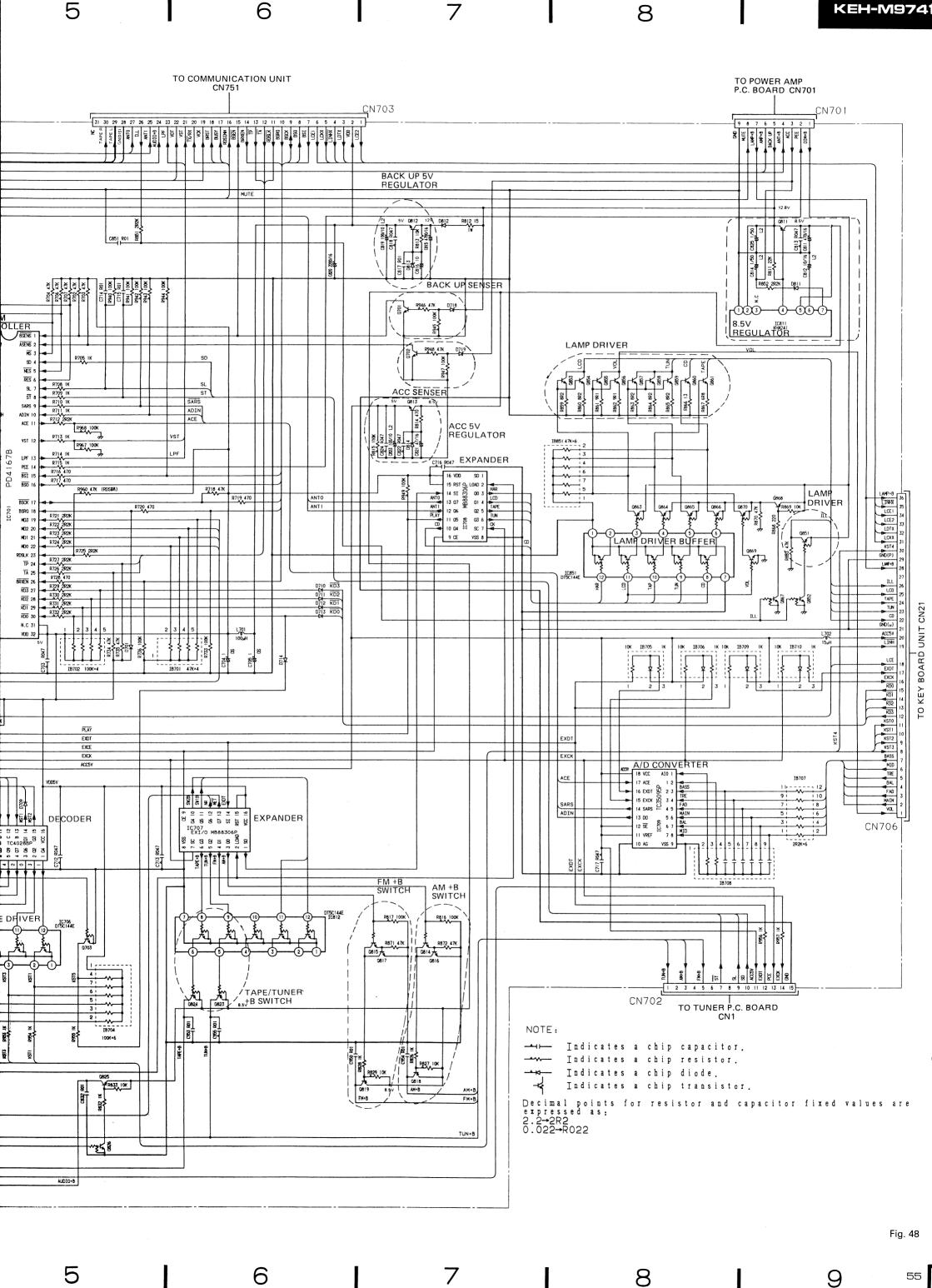
3

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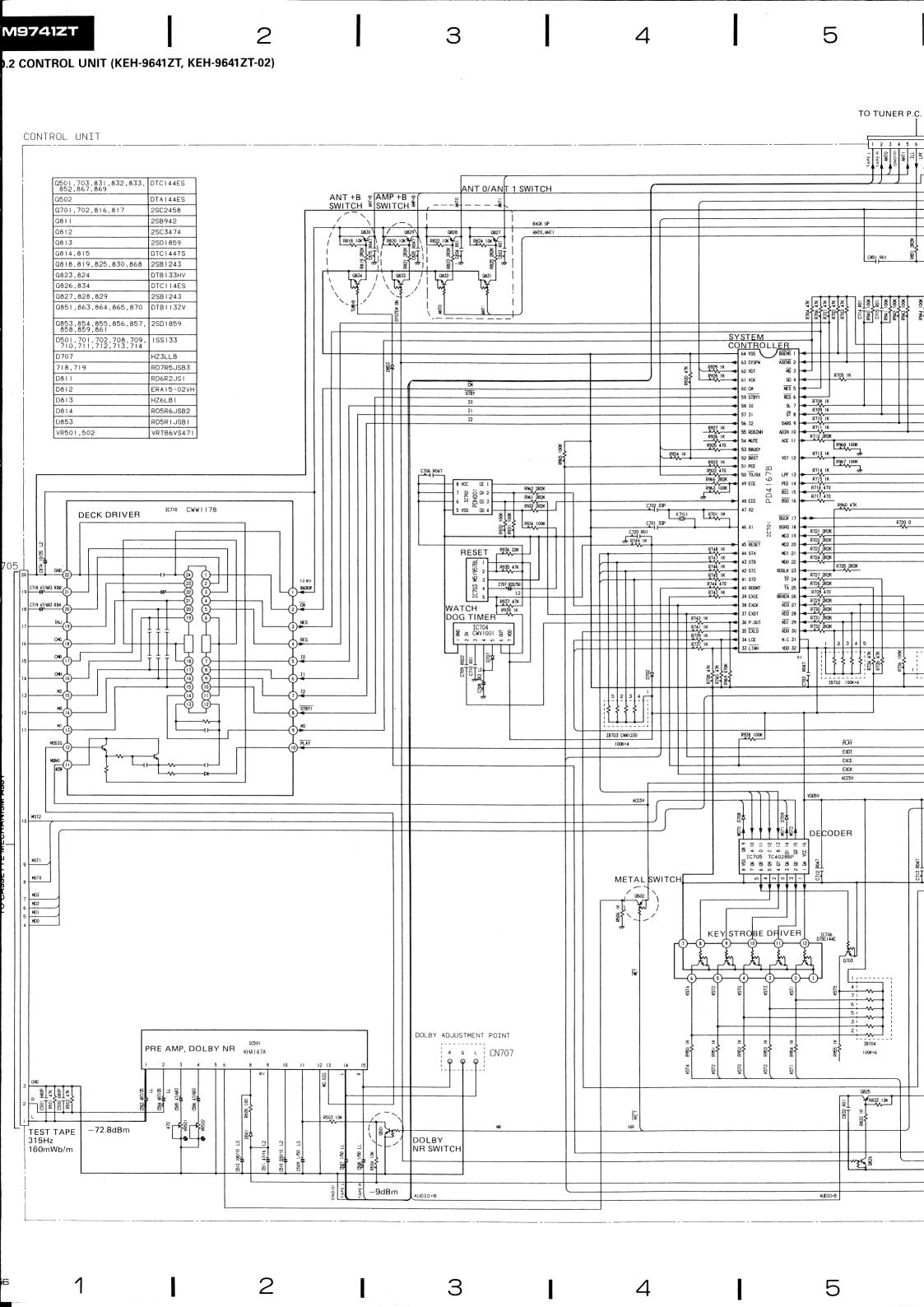
6

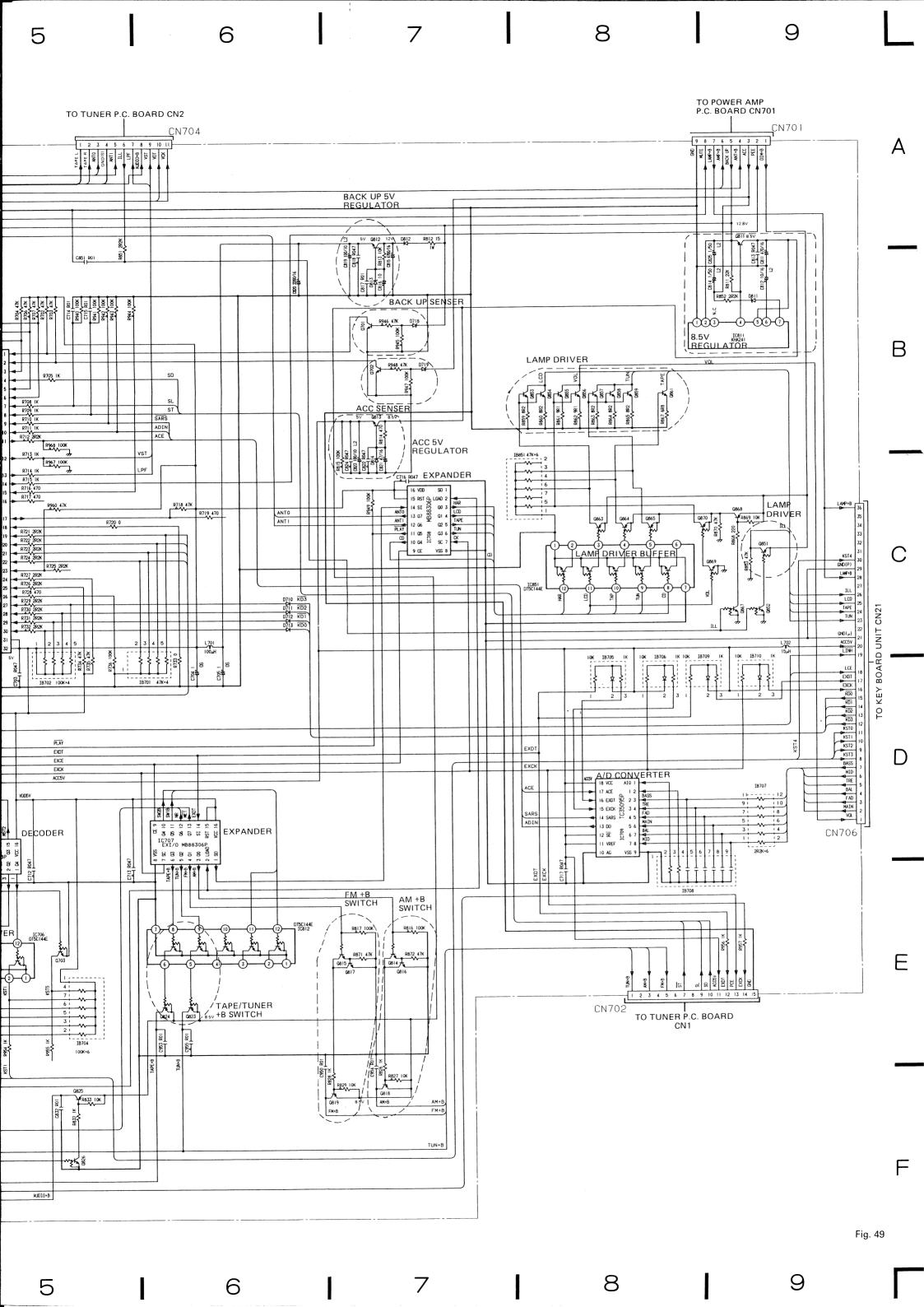


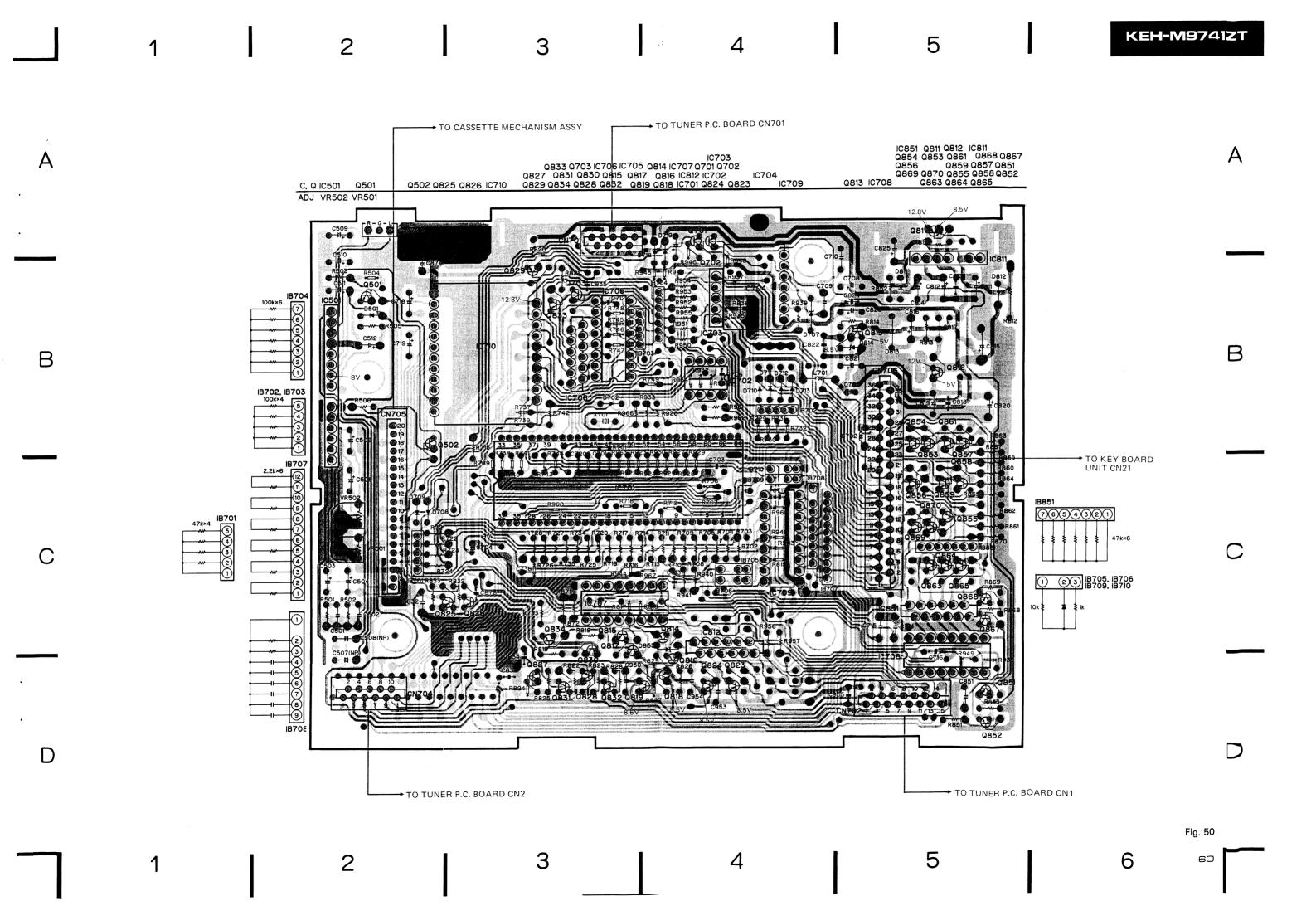


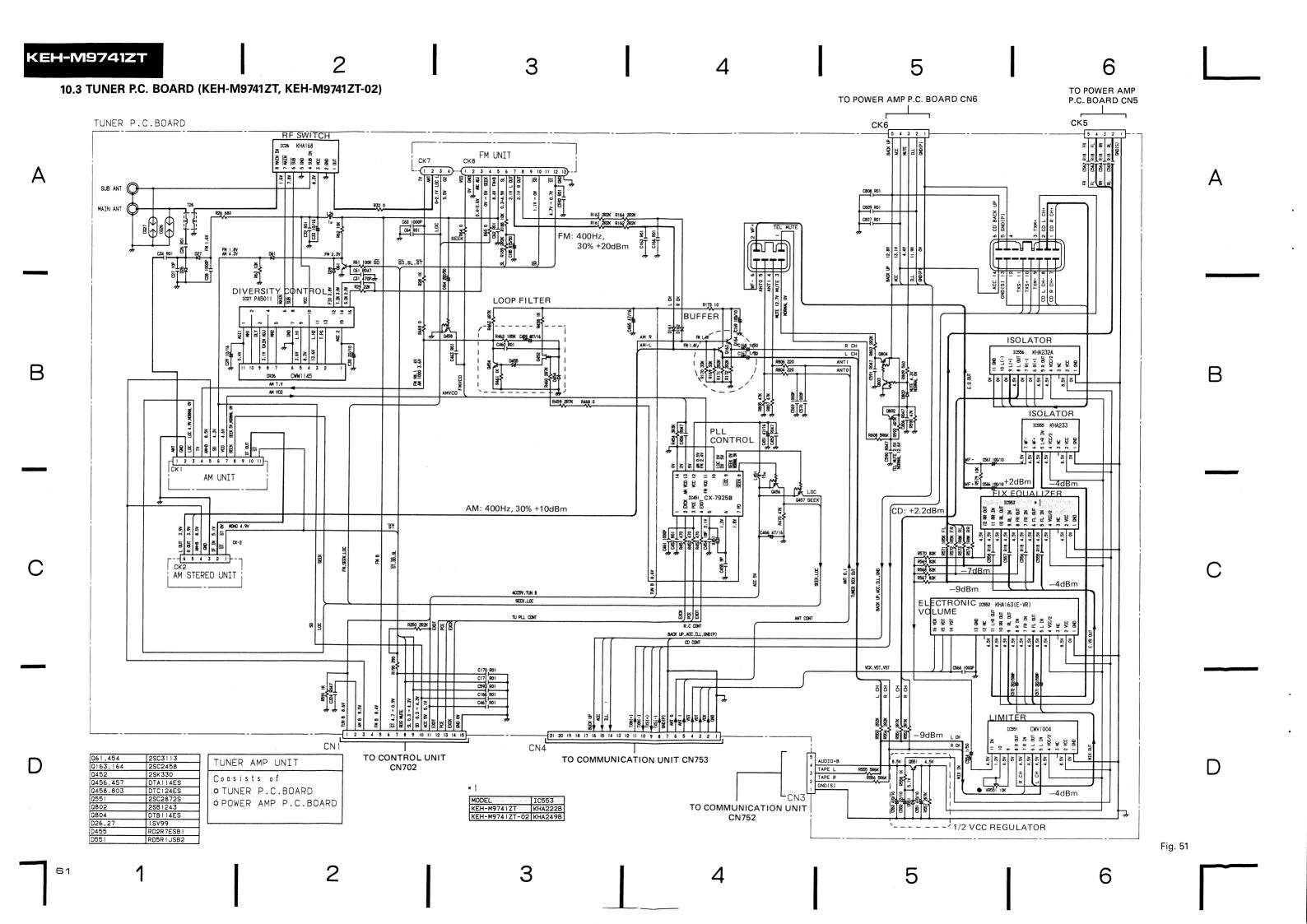
55

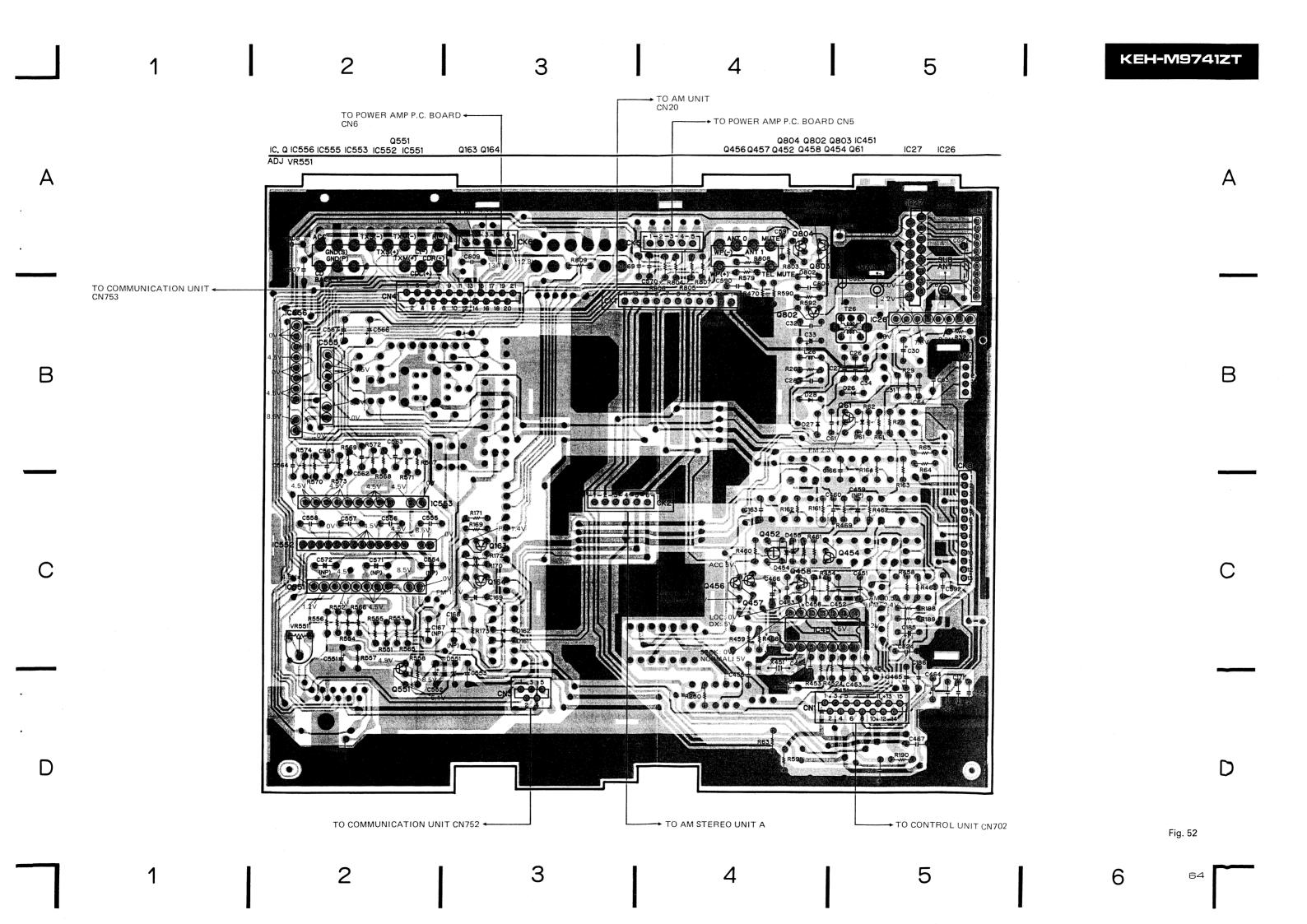
KEH-M9741

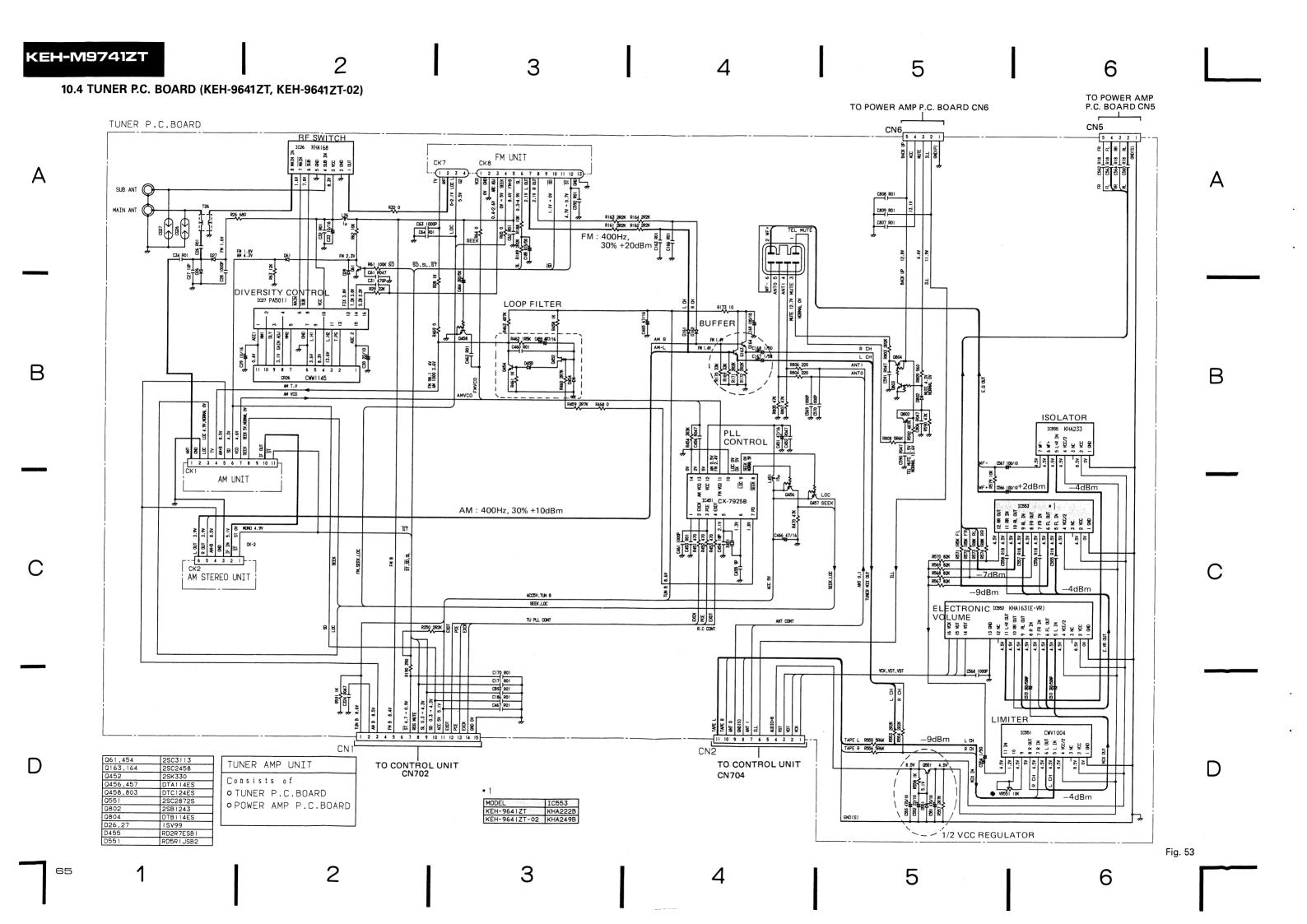


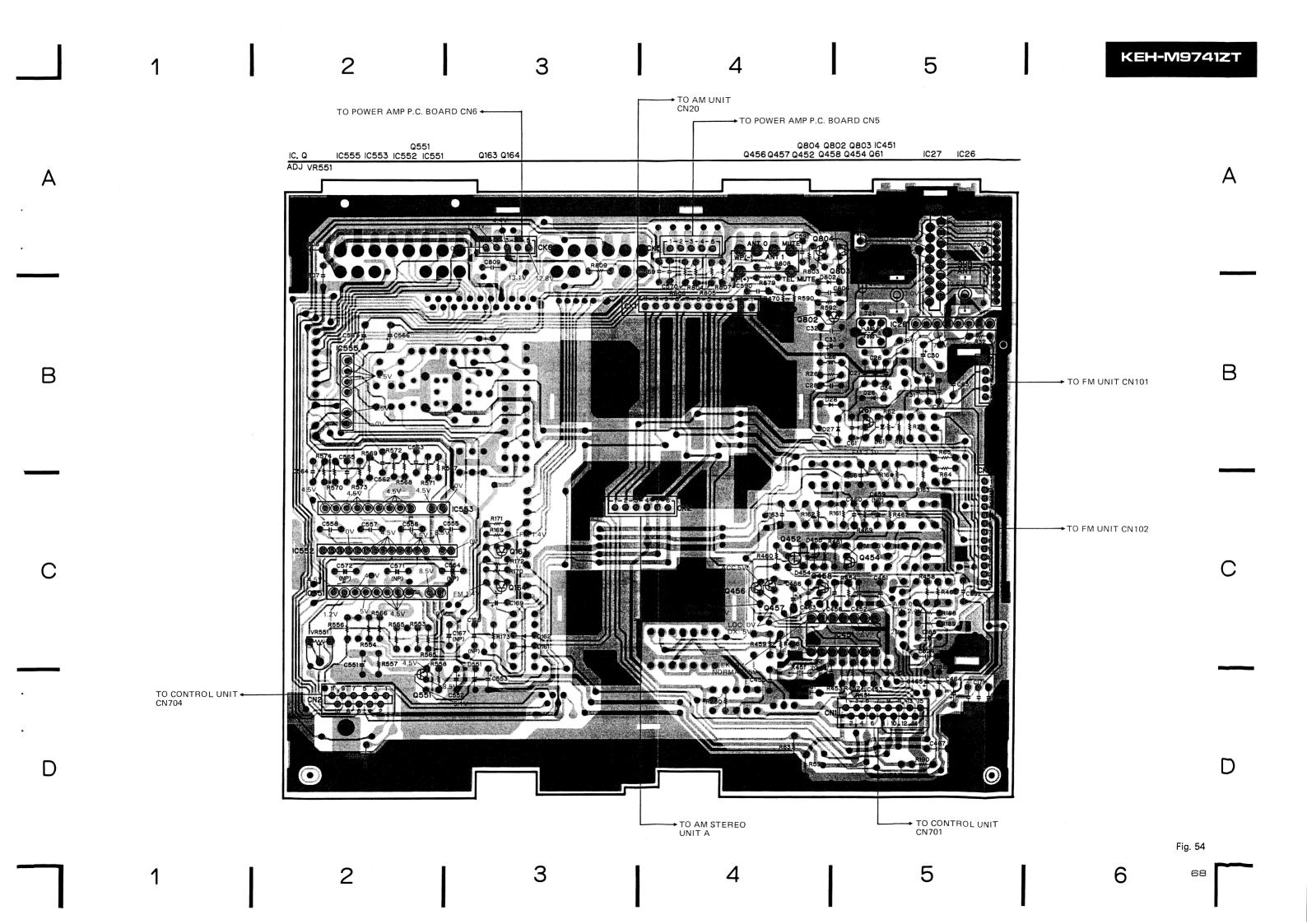


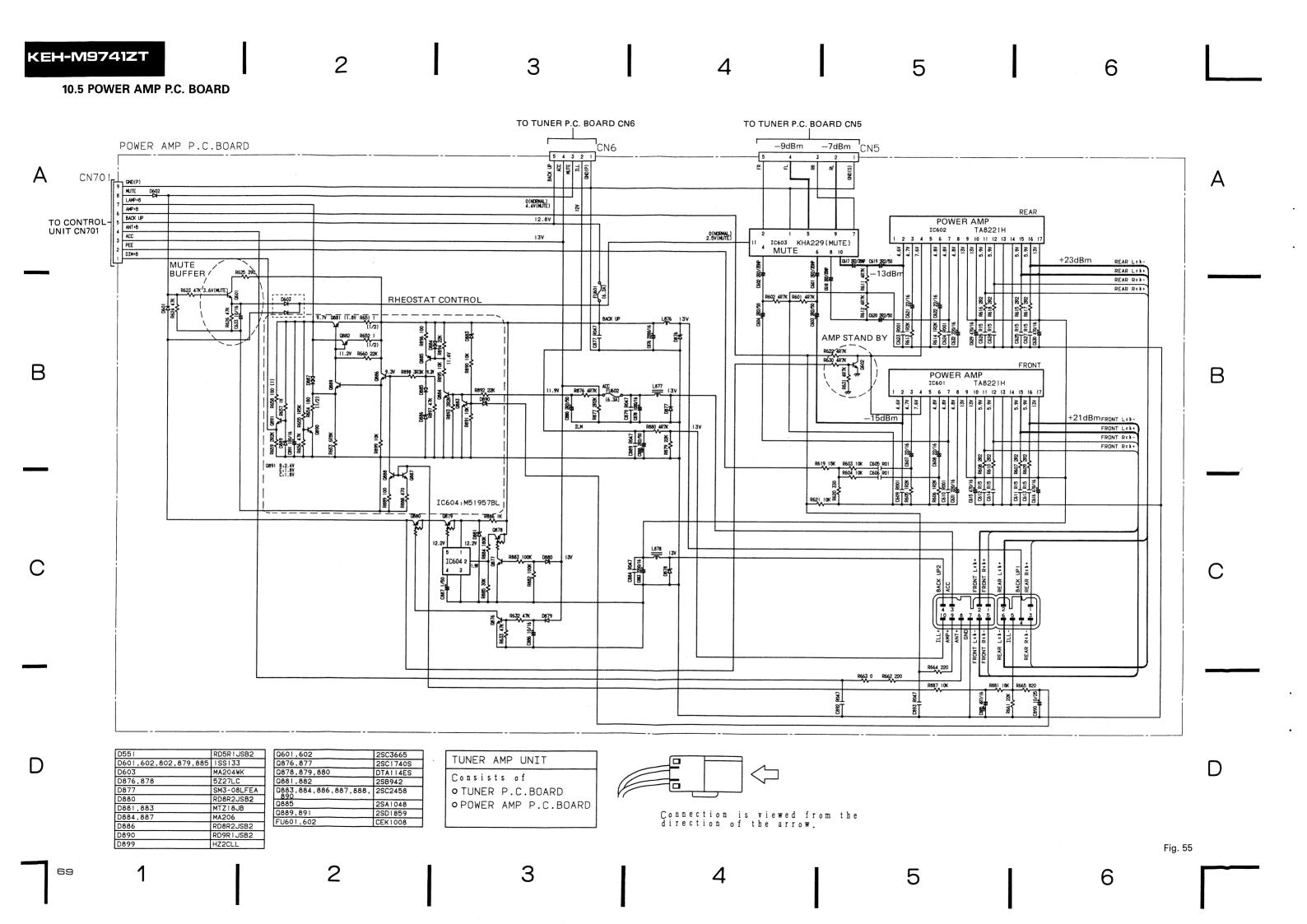












1 2 3 4 5 KEH-M9741ZT

В

D

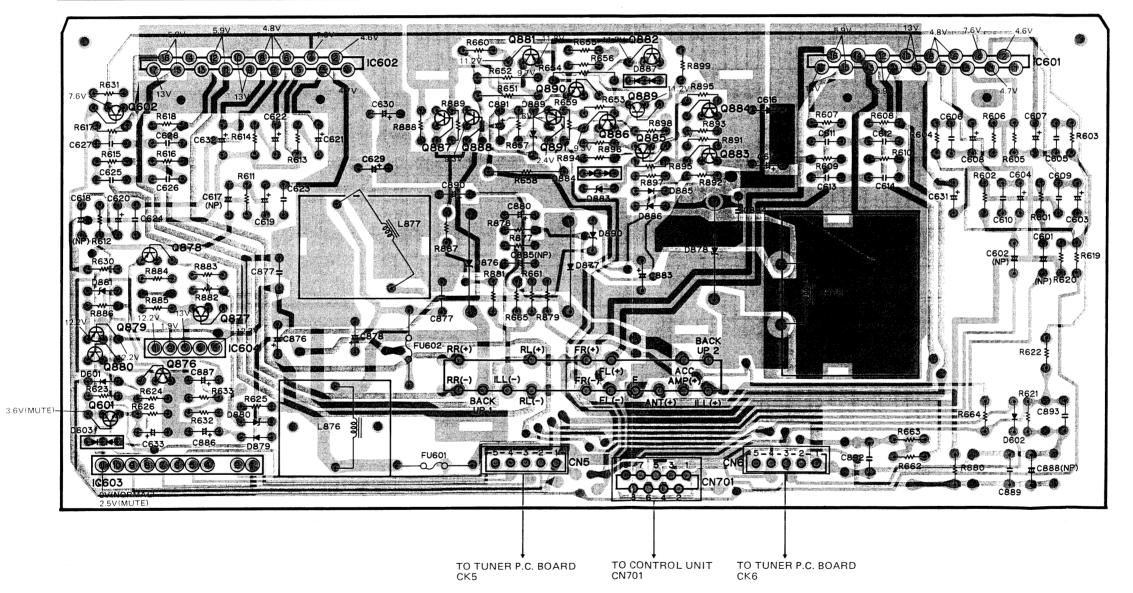
Fig. 56

A

Q879 Q878 Q880 Q876 IC603 IC, Q Q601 Q602 IC604 Q877 IC602 Q887 Q888 Q881 Q891 Q890 Q885 Q889 Q883 IC601

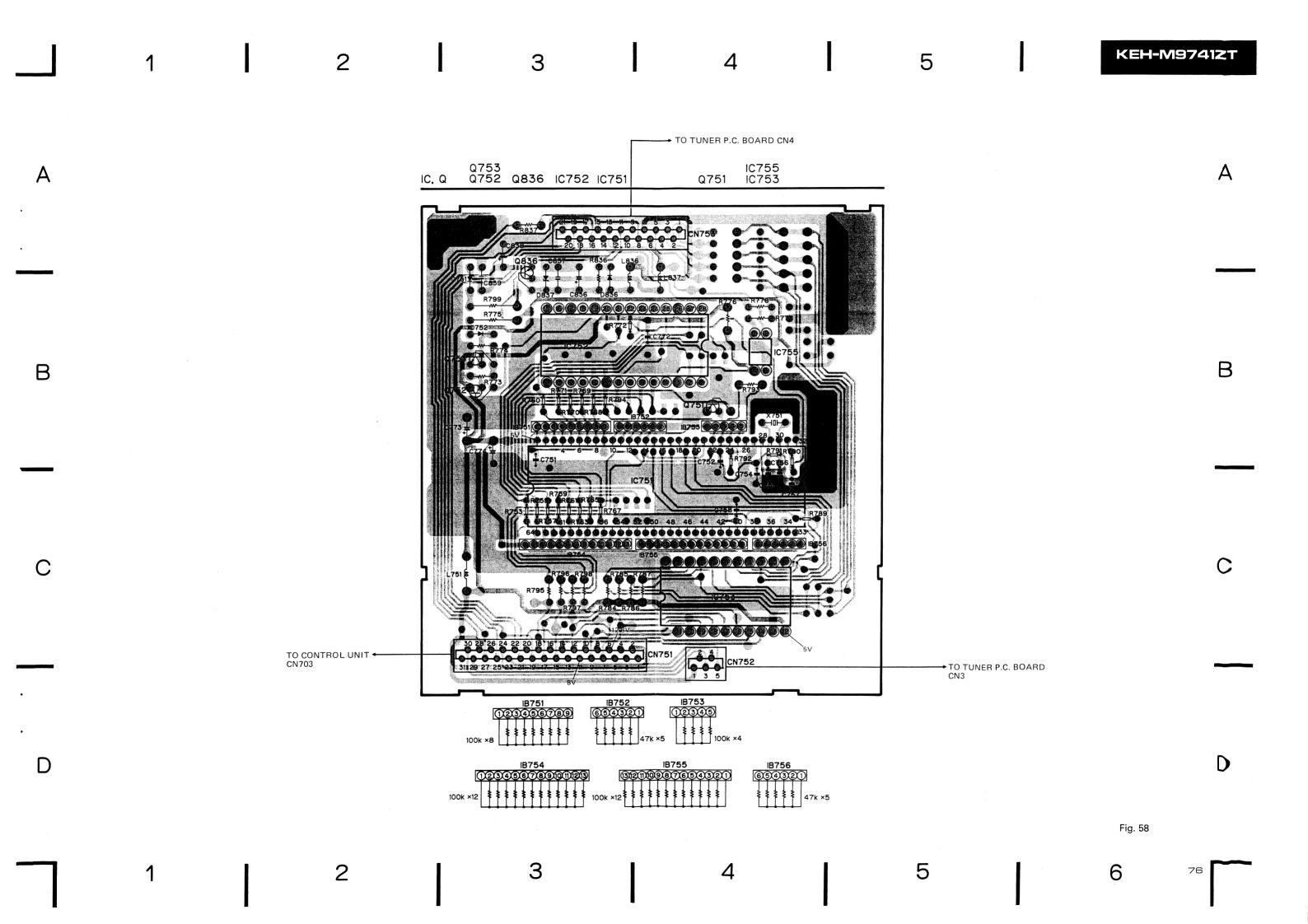
В

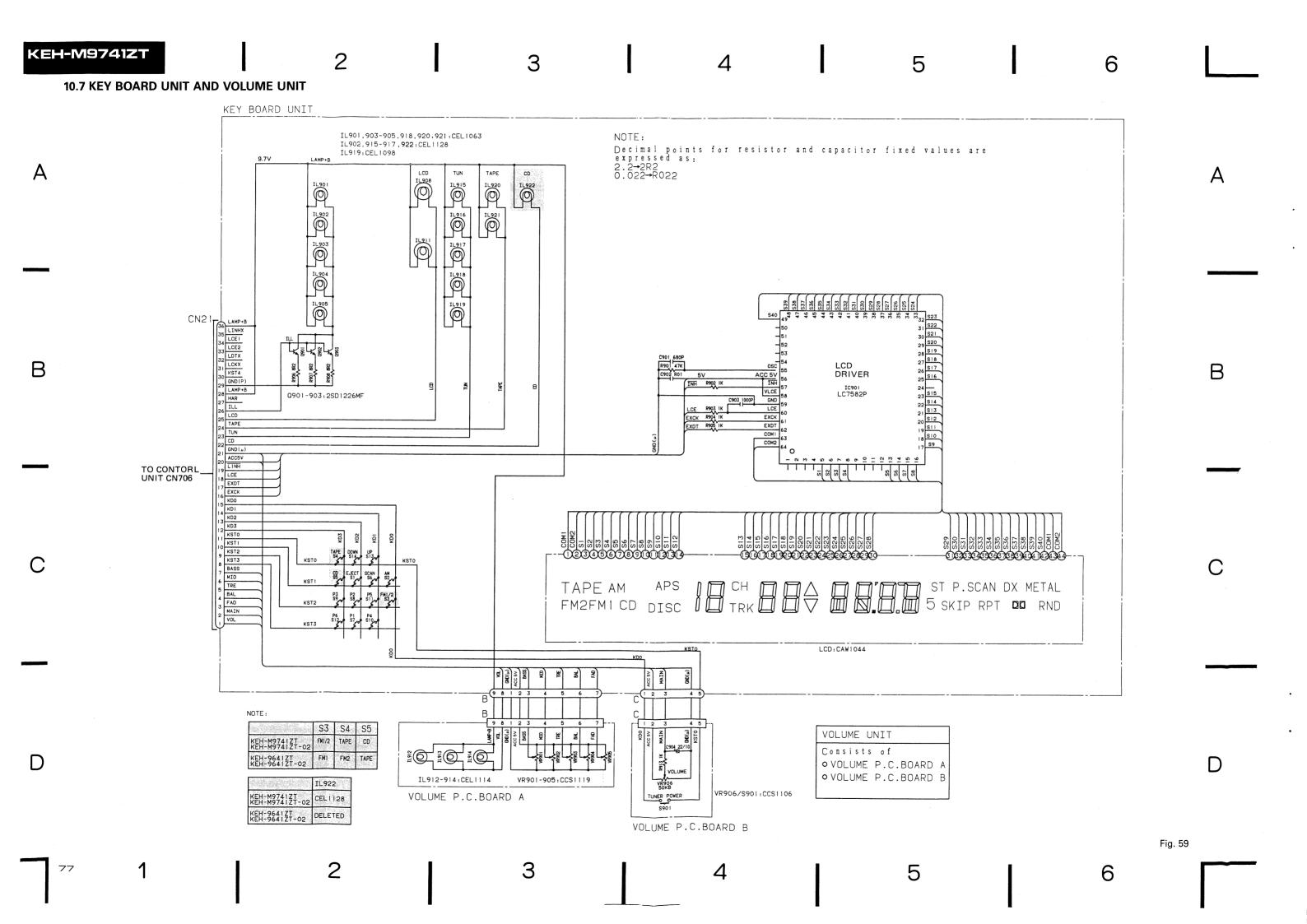
D

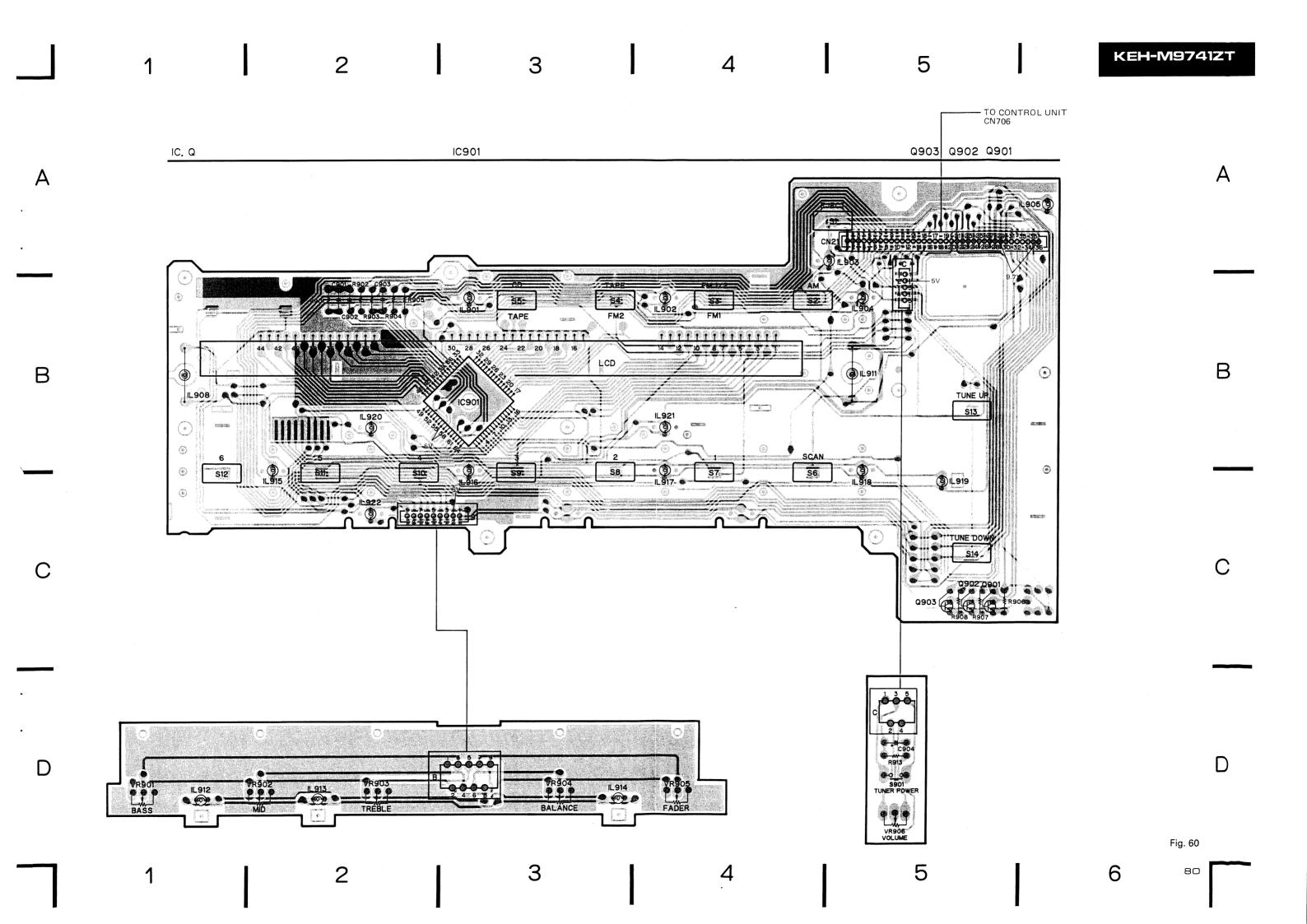


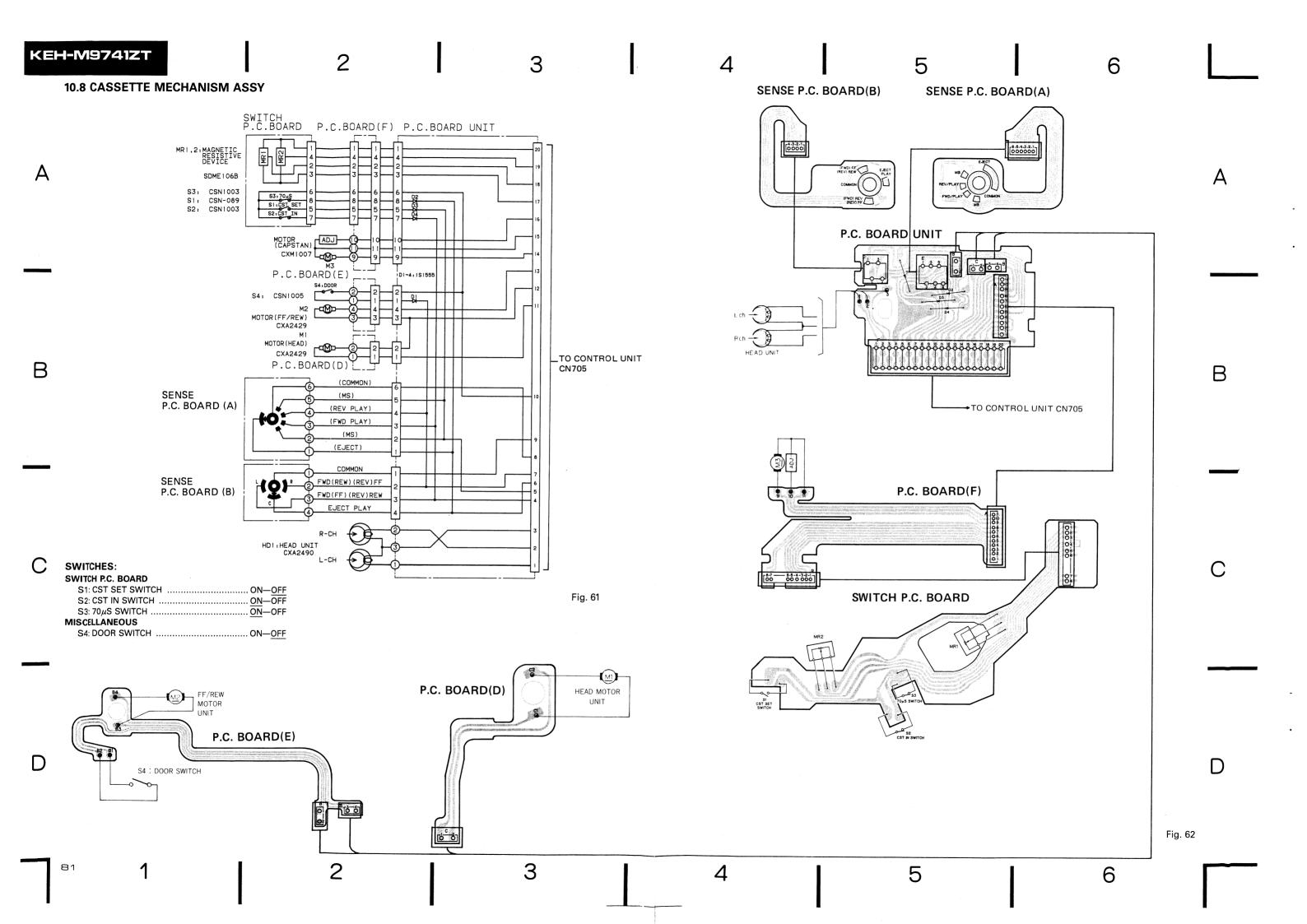
1 2 3 4 5 6 72

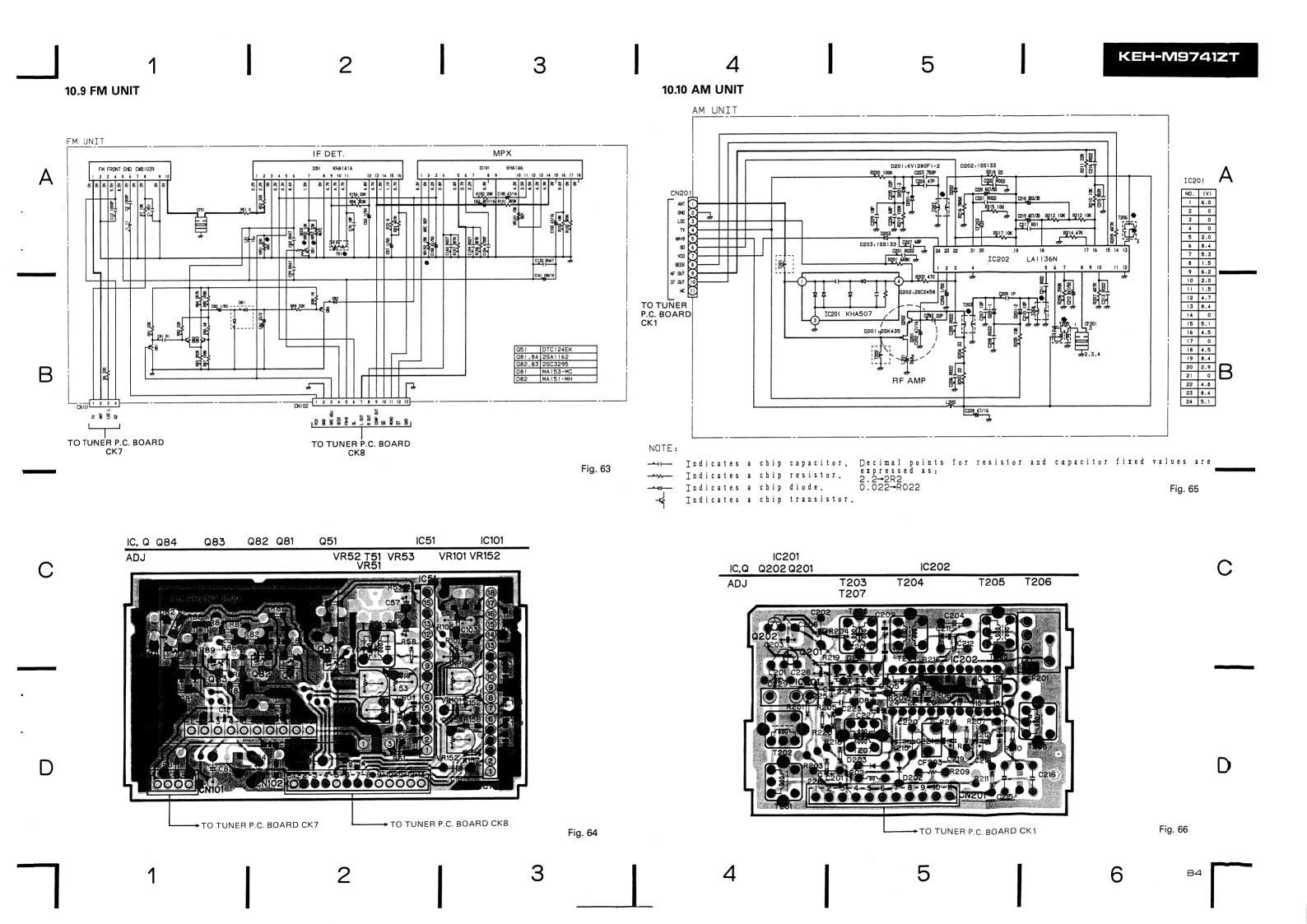
KEH-M9741ZT 3 4 5 6 10.6 COMMUNICATION UNIT (KEH-M9741ZT, KEH-M9741ZT-02) COMMUNICATION UNIT NOTE: : Chip capacitor RX READY ---- : Chip resistor : Chip diode : Chip transistor IB751 100K×8 CN751 O LCE1 O LINHX
O LCXX
O LCE2
O BSI CN753-R798_470 B В CD COMMUNICATION 10751 PD5094 O RDS LK ILL R837 IK ILL RDS+B O TXM+ TO TUNER P.C. BOARD— CN4 _TO CONTROL UNIT CN703 R795 IK ORDS INH BUSY BRST. TX/RX IB756 47K×5 R794 IK AUDIO+B GND(S) BUS BUFFER IC753 CWV1002 TAPE L TAPE R DATA TX/RX IC752 MSM82C51A-2RS-H REGULATOR CN752 TO TUNER -P.C. BOARD CN3 TAPE L TAPE R R776_2R2K R787 1R2K IC755: 0N3111 PHOTO COUPLER BRXEN3 R786 1R2K Q751 DTC114ES R785 IR2K 0752 DTAI14ES D 0753,836 2SD1859 D751,752 ERA15-02VH D836 188133 TX/RX D837 RD9R1JSB2 BSOX Fig. 57 2 3 4 5 6











10.11 AM STEREO UNIT

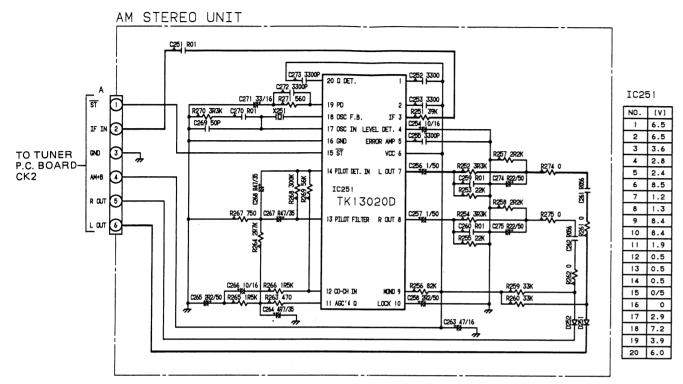


Fig. 67

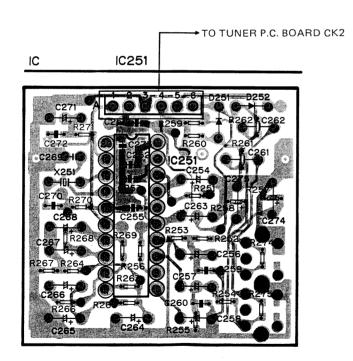


Fig. 68

11. CHASSIS EXPLODED VIEW (1)

• Parts List

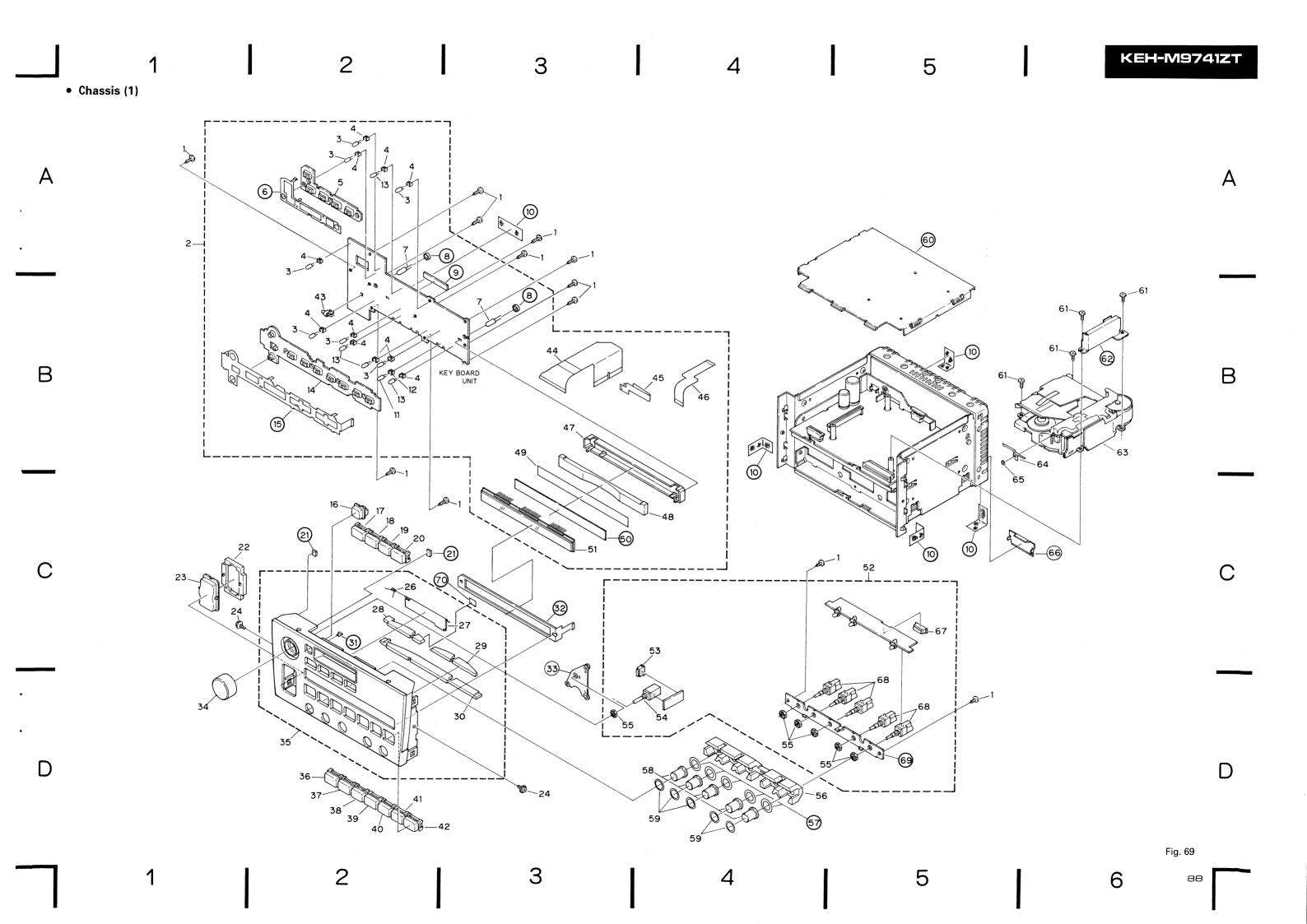
NOTE:

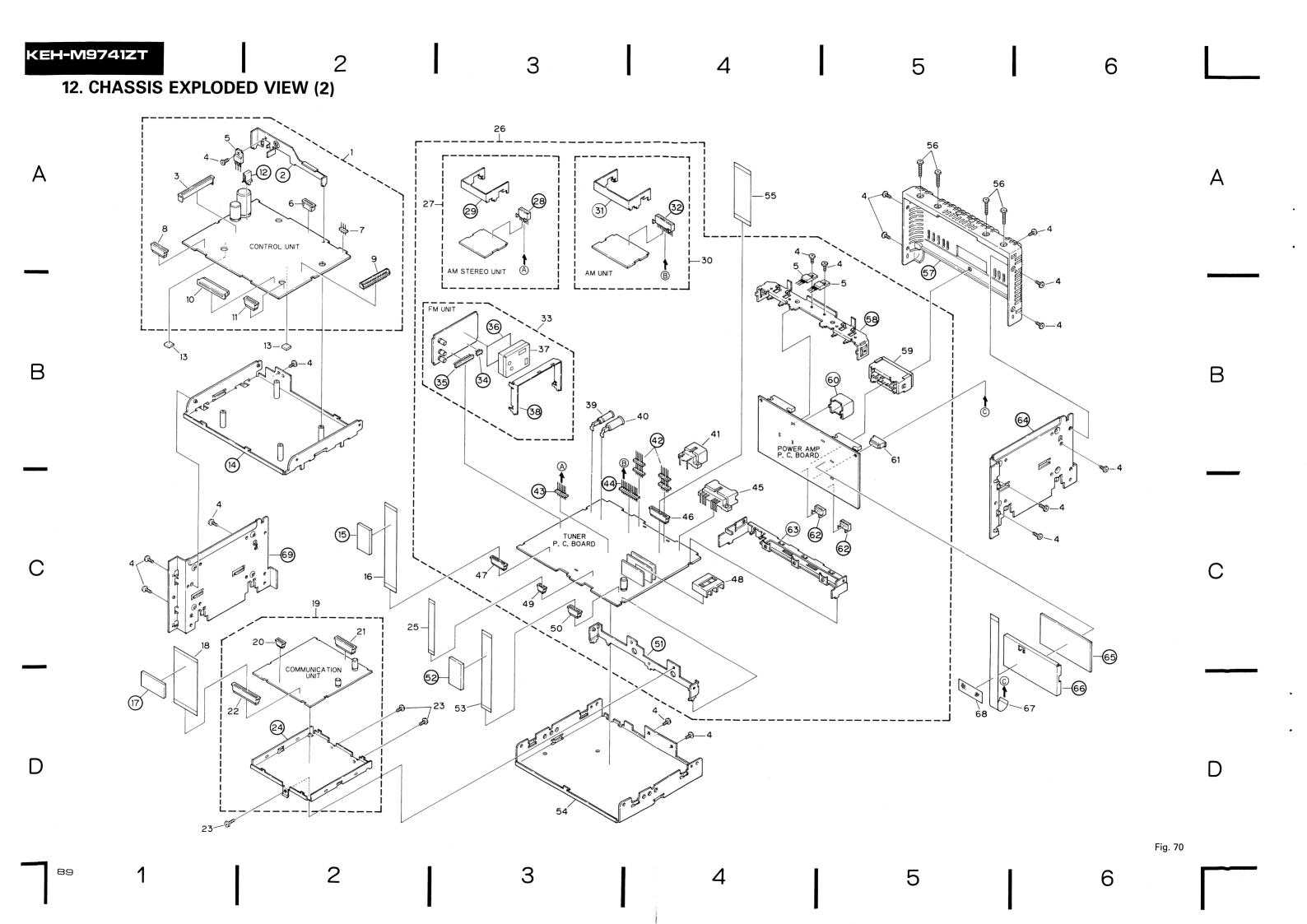
- For your parts Stock Control, the fast moving items are indicated with the marks ‡‡ and ‡.
 - # : GENERALLY MOVES FASTER THAN *.

This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.

- Parts whose parts numbers are omitted are subject to being not supplied.
- Parts marked by "" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

ark	No.	Description		Part No.			Description	Part No.
	1	Screw		BPZ26P080FMC			Lens	CNV1908
(1)	2	Key Board Un	it (KEH-M9741ZT	CWM 1 5 8 6		3 0	Lens	CNV1795
			KEH-M9741ZT-02)			3 1	Conductor	
•		Key Board Un	it (KEH-9641ZT	CWM 1 5 8 5			Conductor Unit	
		•	KEH-9641ZT-02)			33	Holder	
**	3	Lamp		CEL1063	*	3 4	Knob	CAA1193
		Holder		CNV1906		35	Grille Assy(KEH-M9741ZT)	CXA2949
	5	Rubber		CNV1888			Grille Assy (KEH-M9741ZT-02)	
		Conductor					Grille Assy (KEH-9641ZT)	CXA2248
**		Lamp		CEL1124				CXA2290
	8	Spacer			*	36	Button (SCAN)	CAC1565
		Spacer					Button (1)	CAC1566
		Sheet					Button (2)	CAC1567
*		Lamp (KEH-M	97417T	CEL1128			Button (3)	CAC1568
•	.,		9741ZT-02)				Button (4)	CAC1569
	12	Holder (KEH-M	97417T	CNV1906		41	Button (5)	CAC1570
			9741ZT-02)				Button(6)	CAC1571
* *	13	Lamp		CEL1128			Lamp	CEL1098
77		Rubber		CNV1887	77		P. C. Board	CNP1630
		Conductor		CHTICOT			P. C. Board	CNP1632
	1.6	Button(EJECT)	,	CAC1689		16	P. C. Board	01101100
			,				Holder	CNP2180
		Button (AM)	\ /VCU 1107417T	CAC1572				CNV1587
Ŧ	10	Button (FM1/2)		CAC1575			Lens	CNV1580
		(5114)	KEH-M9741ZT-02)				Sheet	C NM2 420
*		Button (FM1)	(KEH-9641ZT-02)	CAC1573		50	Plate	
						51	LCD	CAW1044
*	19	Button (TAPE)	(KEH-M9741ZT	CAC1576	•	52	Volume Unit	CWM1874
			KEH-M9741ZT-02)			53	Connector	CKS1525
*		Button (FM2)	(KEH-9641ZT	CAC1574	**	54	Volume	CCS1106
			KEH-9641ZT-02)			55	Nut	CBA-066
*	20	Button (CD)	(KEH-M9741ZT	CAC1680		56	Lens	CNV1584
			KEH-M9741ZT-02)			57	Sheet	
*		Button (TAPE)	(KEH-9641ZT	CAC1576	*	58	Knob	CAA1156
			KEH-9641ZT-02)				Sheet	C N M 2 3 6 2
	2 1	Spacer					Cover	O TIME O O E
	22	Holder		CNV1996		61	Screw	BMZ 2 6 P 0 5 0 FM C
*	23	Button (TUNE)		CAC1700			Holder	
		Screw		PMS30P050FMC	(a)		Cassette Mechanism Assy	CXK1685
	2 5				9		Arm	VAR 1 3 0 0
		Spring		CBH1214			Washer	CBF-046
	27	Door (KEH-M97	41ZT)	CAT1211		8.6	Cover (KEH-9641ZT KEH-9641ZT/	n 2)
		Door (KEH-M97	•	CAT1210			Connector	CK\$1529
		Door (KEH-964		CAT1210	4.4		Volume	
		Door (KEH-964	•	CAT1165	++			CCS1119
	28	Lens		CNV1581			Holder	
	40	E 4 11 3		UN 4 30		10	Spacer	





• Parts List

rk No.	Description	Part No.	Mark No. Description	Part No.
1	Control Unit (KEH-M9741ZT	CWM1571	29 Holder	
	KEH-M9741ZT-02)	30 AM Unit	CWA1021
•	Control Unit (KEH-9641ZT	CWM1570	31 Holder	
•	KEH-96412T-02)		32 Connector	
2	2 Holder		33 FM Unit	CWE 1 1 3 1
,	3 Connector	CKS1389	34 Connector	
		BMZ30P060FMC	35 Connector	
	4 Screw	258942	36 Insulator	
	5 Transistor	CKS1561	37 FM Front End	CWB 1039
	6 Connector	CKS-291	38 Holder	
1	7 Plug			
8	8 Connector	CKS1567	39 Antenna Jack	CKX1005
9	9 Plug	CKS-659	40 Antenna Jack	CKX1006
	O Connector (KEH-M9741ZT	CKS1551	41 Connector	CKM1048
	KEH-M9741ZT-02)		42 Plug	
11	1 Connector (KEH-9641ZT	CK\$1563	43 Plug	
	KEH-9641ZT-02)			
			44 Plug	CKM1025
12	2 Holder		45 Connector (KEH-M97412T	
13	3 Cushion	CNM2374	KEH-M97412T-	•
14	4 Chassis Assy		46 Connector (KEH-M9741ZT	CK\$1573
1 9	5 Cushion		KEH-M9741ZT-	02)
		0051010	47 Connector	CKS1567
	6 Connector	CDE1948	48 Holder	CNV2155
1	7 Cushion (KEH-M9741ZT		49 Connector (KEH-M9741ZT	CKS1557
	KEH-M97412T-02)	0051050	KEH-M9741ZT-	02)
3 :	8 Connector (KEH-M9741ZT	CDE1950	50 Connector (KEH-9641ZT	CKS1567
	KEH-M9741ZT-02)		KEH-9641ZT-0	
① 1	9 Communication Unit (KEH-M97	41ZT CWM1566		
Ŭ	KEH-M9741ZT-02)		51 Holder	
2	O Connector (KEH-M9741ZT	CKS1557	52 Cushion (KEH-96412T	
-	KEH-M9741ZT-02)		KEH-9641ZT-0	2)
•	1 Connector (KEH-M9741ZT	CK\$1573	53 Connector (KEH-96412T	CDE 1949
1	KEH-M9741ZT-02)	0.01070	KEH-9641ZT-0	
2	2 Connector (KEH-M9741ZT	CKS1583	54 Chassis 55 Connector (KEH-M9741ZT	CDE2193
	KEH-M9741ZT-02)			
2	3 Screw (KEH-M9741ZT	BMZ30P060FMC	KEH-M9741ZT-	
	K E H - M 9 7 4 1 Z T - 0 2)		56 Screw	8 M Z 3 0 P 1 2 0 F M
			57 Heat Sink	
2	24 Case (KEH-M9741ZT			
	KEH-M9741ZT-02)		58 Holder	
2	25 Connector (KEH-M9741ZT	CDE2194	59 Connector	CKM1047
	KEH-M9741ZT-02)		60 Shield Case	
② 2	26 Tuner Amp Unit (KEH-M9741ZT) CWM1832	61 Connector	CKS1561
• •		•	62 Connector	
•	Tuner Amp Unit (KEH-M9741ZT	-02) CWM1558		
•	Tuner Amp Unit (KEH-9641ZT)	CWM1831	63 Holder	
•	Tuner Amp Unit (KEH-9741ZT-	02) CWM1557	64 Side Panel	
	27 AM Stereo Unit	CWA 1 0 2 5	65 Cushion	
-	28 Connector		66 Holder	
			67 Connector	CDE1952
			68 Sheet	
			69 Side Plate	

13. CASSETTE MECHANISM ASSY EXPLODED VIEW

• Parts List

Mark	No.	Description	Part No.	<u>Mark</u>	No.	Description	Part No.
	1	Screw (M1. 4 × 1. 4)	HBA-147		46	Screw	PMS26P025FMC
	2	Screw	BMZ20P040FMC		47	Spring	CBH-830
	3	Bush	CLB-663		48	Screw (M2 × 2.5)	HBA-175
	4	Spring	CBE-119		49	Spacer	
	5	Spring	CBH-867		50	Spring	CBL1050
	6	Spring	CBH-837		51	Washer	CBF1025
	7	Arm	CNC2373		52	Washer	CBF-126
	8	Holder Unit	CXA2821		53	Spring	CBH-893
	9	Gear Unit	CXA2088		5 4	Collar	CLA1110
	10	Washer	CBF1026		5 5	Screw	BMZ20P025FMC
	11	Gear	CNY-271		56	Gear	CNV1616
	12	Washer	CBF-126		57	Collar	CLA1238
	13	Spring	CBH-835		58	Flywheel	C N V 1 5 7 2
	14	E Type Washer	CBG1003	**	59	Belt	CNT-111
	15	Spring	CBH1277		60	Insulator	
**	16	Pinch Roller Unit	CXA2608		61	Insulator	
	17	Spring	CBH1197		62	Cover	
	18	E Type Washer	YE25FUC		63	Screw	BMZ20P030FMC
	19	Arm	CNV1254		6 4	Screw (M1. 7×5 . 5)	CBA-172
	20	Washer	CBF1022		6 5	Holder	
	21	Collar	C NW-932		66	Screw (M2 $ imes$ 25)	CBA-165
	22	Spring	CBH-827		67	Guide	
**	23	Reel Unit	CXA2089		6.8	Spacer	
	24	Spring	CBH-868		69	Switch	CSN1005
	25	Bracket Unit	CXA1481	**	70	Motor Unit	CXA2429
	26	F/R Gear	C NW-944			(FF/REW. Head Posit	10}
	27	Screw	CBA1106		71	Screw	HBA-174
**	28	Switch (70 µ S, CST IN)			72	Bracket Unit	
	29	Screw (M1. 7 × 5. 5)	CBA1025		73	Pinch Roller Unit	CXA2609
	30	P. C. Board			74	Screw (M2 \times 2.5)	CBA1037
					75	Pulley	CNV1255
**	3 1	Switch (CST_SET)	CSN-089				
	3 2	Screw (M1. 7×3)	CBA-186	**	76	Belt	CNT1010
	33	Magnetic Resistive	SDME106B		11		• • • • •
		Device			78		
	3 4	Washer	CBF-046		79	Pulley	CNV1256
	3 5	Spring	CBH-887		80	Screw (M2 × 5)	CBA1054
	3 6	Spring	CBH-886		81	Bracket Unit	
	37	Gear	CNV1075		82	Cover	
	38	Screw (M2 × 5)	CBA1054		83	Screw (M1. 4 × 8)	CBA1055
	39	Arm Unit	CXD-389		8 4	Spring	CBE-114
	40	Arm			85	Azimuth Rubber	CNY-134
	41	Washer	HBF-179	**	86	Head Unit	CXA2490
	42	Lever	CNV1257		87	Spring	CBH-829
	43	Spring	CBH1196		8.8	Gear	CNW-939
**	44	Motor (Capstan)	CXM1007		89	E Type Washer	YE12FUC
	45	Chassis Unit			90	Gear	CNV1262

14. ELECTRICAL PARTS LIST

NOTE:

95

- For your parts Stock Control, the fast moving items are indicated with the marks ## and #.
 - ## : GENERALLY MOVES FASTER THAN *.

This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

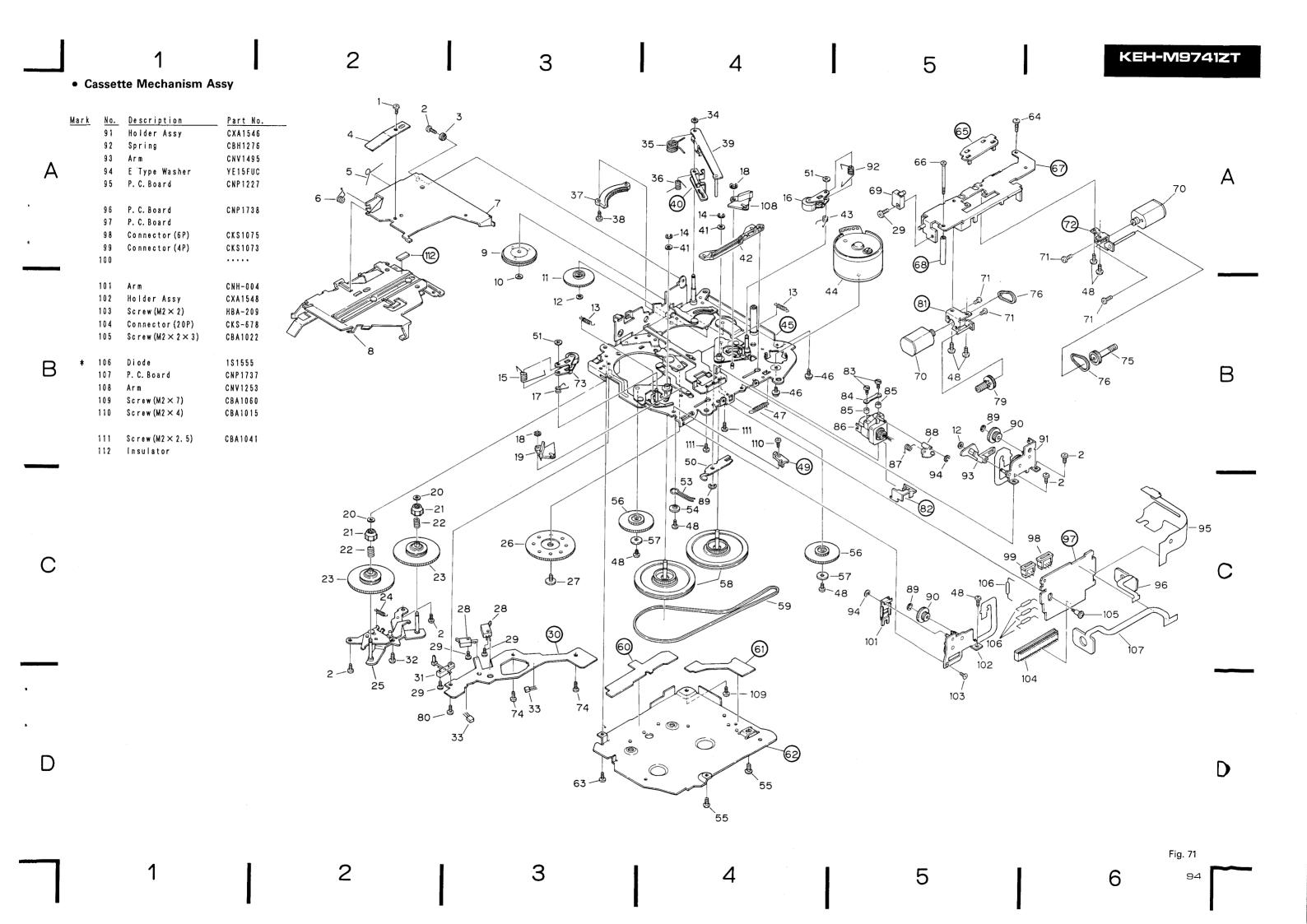
Chip Resistor

RS1/8S \\ \Box\Big| \Box\Big| J, RS1/10S \\ \Box\Big| \Box\Big| J Chip Capacitor (except for CQS.....)
CKS....., CCS....., CSZS.....

IIni+		umber : ame : AM Unit			CAPACI	ITORS		
							Circuit Symbol & No. ==== Part Name	
MISC	t L L	ANEOUS					206 211 213 221 222	CKSQYB223K25
Wark	==:	====== Circuit S	mbol & No. ==== Part Name	Part No.				CEA470M16LS
					(203 225		CCSQCH220J50
**	i C	201		KHA507A	(204		CEA010M50LS2
		202		LA1136N	(207 210		CCSQCH100D50
		201		2 S K 4 3 5				
		202		2 S C 2 4 5 8	(208		CKSQYB333K25
*	D	201	Variable Capacitance Diode	KV1280F1-2	(209		CCSQCH010C50
					(212 220		CEAR47M50LS2
*	D	202 203		188133	(215		COMA393J50
		201	Micro-Inductor	LAUR68M	(216		CQMA223J50
		202	Ferri-Inductor	LAU680K				
	Т	201	Coil	CTB1051	(217		CKSQYB103K50
	T	202	Coil	CTB-171	(218		CEA3R3M50LS
					(219		CEA4R7M35LS
	Ť	203	Coil	CTB1044	(223		CQPA751G2A
		204	Coil	CTB1026	(224		CCSQCH470J50
		205	Coil	CTE1030				
	T	206	Coil	CTE1033	(226		CCSQCH680J50
		207	Coil	CTB1043	{	227		CCSQCH680J50
					(229		CCSQCH180J50
	CF	201	Ceramic Filter	CTF1074				
	CF	203	Ceramic Resonator	CTF1039	Unit	Number :		
					Unit	Name :	AM Stereo Unit	
RESI	STO	RS						
					MISCEL	LLANEOUS		
Mark	==		ymbot & No. ==== Part Name	Part No.	Wark :		Circuit Symbol & No. ==== Part Name	Part No
		====== Circuit S						
				RS1/10S682J				
	R	201		RS1/10S682J				TK13020D
	R R	201 202		RS1/10S682J RS1/10S471J	**			
	R R R	201 202 203 218		RS1/10S682J RS1/10S471J RS1/10S220J	** * [IC 251		TK13020D
	R R R	201 202 203 218 204		RS1/10S682J RS1/10S471J RS1/10S220J	** * [IC 251 D 251 252		TK13020D 188133
	R R R	201 202 203 218		R\$1/10\$682J R\$1/10\$471J R\$1/10\$220J R\$1/10\$330J	** * [IC 251 D 251 252 K 251		TK13020D 188133
	R R R R	201 202 203 218 204 205 210 212 213 2		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S103J	** * [IC 251 D 251 252 K 251		TK13020D 188133
	R R R R	201 202 203 218 204 205 210 212 213 2		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S103J RS1/10S394J RS1/10S472J	** * RESISI	IC 251 D 251 252 X 251 TORS	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041
	R R R R R	201 202 203 218 204 205 210 212 213 2 206 207		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S103J RS1/10S394J RS1/10S472J	** * RESISI	IC 251 D 251 252 X 251 TORS	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041
	R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S103J RS1/10S394J RS1/10S472J RD1/4PS472JL	**	IC 251 D 251 252 X 251 TORS	Ceramic Resonator	TK13020D 1SS133 CSS-041
	R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S103J RS1/10S394J RS1/10S472J RD1/4PS472JL RS1/10S223J	**	IC 251 D 251 252 K 251 TORS	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041
	R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S103J RS1/10S394J RS1/10S472J RD1/4PS472JL	**	IC 251 D 251 252 X 251 TORS	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041 Part No.
	R R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211 214		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S394J RS1/10S472J RD1/4PS472JL RS1/10S223J RS1/10S473J	** () RESIS	IC 251 D 251 252 X 251 TORS	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041 Part No. RS1/10S393J RS1/10S152J
	R R R R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211 214		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S330J RS1/10S103J RS1/10S394J RS1/10S472J RD1/4PS472JL RS1/10S223J	** () RESIS	TORS 251 TORS 251 TORS 251 TORS	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041 Part No. RS1/10S393J RS1/10S152J RS1/10S223J
	R R R R R R R R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211 214		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S230J RS1/10S103J RS1/10S103J RS1/10S472J RS1/10S472JL RS1/10S223J RS1/10S473J RS1/10S101J RS1/10S101J	** () RESIS	IC 251 D 251 252 X 251 TORS 	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041 Part No. RS1/10S393J RS1/10S152J RS1/10S223J RS1/10S823J
	R R R R R R R R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211 214		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S230J RS1/10S103J RS1/10S103J RS1/10S472J RD1/4PS472JL RS1/10S223J RS1/10S473J RS1/10S101J	**	IC 251 D 251 252 X 251 TORS 	Ceramic Resonator Circuit Symbol & No. ==== Part Name	TK13020D 1SS133 CSS-041 Part No. RS1/10S393J RS1/10S152J RS1/10S223J RS1/10S823J
	R R R R R R R R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211 214		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S230J RS1/10S103J RS1/10S103J RS1/10S472J RS1/10S472JL RS1/10S223J RS1/10S473J RS1/10S101J RS1/10S101J	**	IC 251 D 251 252 X 251 TORS 	Ceramic Resonator Circuit Symbol & No. ==== Part Name 255 266	TK13020D 1SS133 CSS-041 Part No. RS1/10S393J RS1/10S152J RS1/10S223J RS1/10S823J RS1/10S222J
	R R R R R R R R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211 214		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S230J RS1/10S103J RS1/10S103J RS1/10S472J RS1/10S472JL RS1/10S223J RS1/10S473J RS1/10S101J RS1/10S101J	**	IC 251 D 251 252 X 251 TORS ====================================	Ceramic Resonator Circuit Symbol & No. ==== Part Name 255 266	TK13020D 1SS133 CSS-041 Part No. RS1/10S393J RS1/10S152J RS1/10S223J RS1/10S222J RS1/10S333J
	R R R R R R R R R R R R	201 202 203 218 204 205 210 212 213 2 206 207 209 211 214		RS1/10S682J RS1/10S471J RS1/10S220J RS1/10S230J RS1/10S103J RS1/10S103J RS1/10S472J RS1/10S472JL RS1/10S223J RS1/10S473J RS1/10S101J RS1/10S101J	**	TORS TORS	Ceramic Resonator Circuit Symbol & No. ==== Part Name 255 266	TK13020D 1SS133 CSS-041 Part No. RS1/10S393J RS1/10S152J RS1/10S223J RS1/10S222J RS1/10S333J RS1/10S333J RS1/10S0R0J

				D	0 (1) -	11			^:·:•	C.,_ L I	e. No	Pa	rt Nama	Dart No
Mark 		Circuit Sy	ymbo! & No. 	==== Part Name 	Part No.	mark =				2 A W D D I		==== ra		
	R 268				RS1/10S304J	R	8.8							R\$1/10\$105J
	R 269				R\$1/10\$563J	R	101							RS1/10S332J
	R 270				RS1/10S332J	R	102							R\$1/10\$392J
	R 271				RS1/10S561J	R	103							R\$1/10\$183J
	. 211					, R	152							RS1/10S203J
CAPA	CITORS					R	154							RS1/10S223J
				==== Part Name		R	156	157						RS1/10S272J
	C 251 259				CKSQYB103K50	CAPACI	TORS							
		3 255 272 2	7.3		CKSQYB332K50									
	C 254 266				CEA100M16LS2	Mark =	*====	===	Circuit	Symbol	& No.	==== Pa	rt Name	Part No.
	C 256 257				CEA010M50LS2									
	C 258 265				CEA2R2M50LS2	C	1							CKSQYB103K50
	0 230 200	,			02/12/12/11/202	C	3	12						CKSQYB102K50
	C 261 262)			CQMA563J50	С	57	62						CEA010M50LS
	C 263	L			CEA470M16LS		60		132					CKSQYF473Z50
	C 264				CEA4R7M35LS		63							CEA4R7M16NPLL
		,			CSZAR47M35	•	•••							••••••••••
	C 267 268)				r	70							CCSQCH180J50
	C 269				CCG-106		81							CKSYB104K25
					0.5.1.0.0.1.1.0.0									CEA010M50LS2
	C 271				CEA330M16LS		82				a E /n''			
	C 274 275	•			CEAR15M50LS2		84			33	3 μ F/2V			CCH1055
						С	103	105						CEA470M16LS
	Number :													0110011011011
Unit	Name :	FM Unit					154							CKSQYB472K50
							158							CEAOR1M50LS2
MISC	ELLANEOUS					C	159	160						CKSQYB273K50
						C	161							CEA101M10LS
				==== Part Name			n. (
									.	:	/V.F	U 1107417T	. VEU 1407.	417T 00\
	IC 51				KHA141A	Unit	Name	:	Communic	ation	UNITIKE	H-M3 (4111	KEH-M97	4 2 - 0 2
**	IC 101				KHA146									
	10 101													
**	Q 51		Chip Tran	sistor	DTC124EK	MISCEL	LANEO	US						
		1	Chip Tran Chip Tran											•
	Q 51 Q 81 84			sistor	DTC124EK	Mark =		===						Part No.
** **	Q 51 Q 81 84 Q 82 83		Chip Tran Chip Tran	sistor	DTC124EK 2SA1162 2SC3295	Mark =		===						
** **	Q 51 Q 81 84 Q 82 83 D 81		Chip Tran Chip Tran Chip Diod	sistor sistor	DTC124EK 2SA1162 2SC3295 MA153-MC	Mark = ** !	 C 751							PD5094
** **	Q 51 Q 81 84 Q 82 83 D 81 D 82		Chip Tran Chip Tran Chip Diod Chip Diod	sistor sistor e	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH	Mark = + +	===== C 751 C 752							PD5094 MSM82C51A-2RS-H
** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11		Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu	sistor sistor e	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086	Mark = + +	C 751 C 752 C 753							PD5094 MSM82C51A-2RS-H CWV1002
** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51		Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor	sistor sistor e	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K	Mark = +* ** **	C 751 C 752 C 753 C 755							PD5094 MSM82C51A-2RS-H CWV1002 0N3111
** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11		Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu	sistor sistor e	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086	Mark = +* ** **	C 751 C 752 C 753							PD5094 MSM82C51A-2RS-H CWV1002
** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51		Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor	sistor sistor e e ctor	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K	Mark = +* ** **	C 751 C 752 C 753 C 755 751							PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES
** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51		Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F	sistor sistor e e ctor	DTC 124EK 2SA 1162 2SC 3295 MA 153-MC MA 151K-MH CTF 1086 LAU 150K CTC 1029	Mark = + + + + + + + + 0 + + 0 + + 0 + + 0 + + 0 + 1 + 0 + 1 + 0 + 1 + 0 + 1 + 0 + 1 + 0 + 0 + 1 + 0	C 751 C 752 C 753 C 755 751							PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES
** ** * *	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 CF 51 VR 51		Chip Tran Chip Tool Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe	sistor sistor e e ctor ilter d 22kΩ (8)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223	Mark = + +	C 751 C 752 C 755 C 755 751	836						PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES
** ** * *	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52		Chip Tran Chip Diod Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103	Mark = + +	 C 751 C 752 C 753 C 755 751	836 752						PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859
**	Q 51 Q 81 84 84 82 83 82 B2	3	Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe	sistor sistor e e ctor iiter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS333	Mark = + + + + + + + + + + + + + + + +	 C 751 C 752 C 753 C 755 751	836 752						PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH
** * * *	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52	3	Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103	Mark = +	C 751 C 752 C 753 C 755 751 752 753 751 836	836 752		· -		 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9RIJSB1
**	Q 51 Q 81 84 84 82 83 82 B2	3	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe	sistor sistor e e cctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153	Mark = +	C 751 C 752 C 753 C 755 751 752 753 751 836 837	836 752		. <u></u>	 erri-ln	 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157
**	Q 51 Q 81 84 84 82 83 82 B2	3	Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe	sistor sistor e e cctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS333	Mark = +		836 752		. <u></u>		 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070
**	Q 51 Q 81 84 84 82 83 82 B2	3	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe	sistor sistor e e cctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153	Mark = + 1	C 751 C 752 C 755 C 755 751 752 753 751 836 837 751 836 8 751	836 752		. <u></u>	 erri-ln	 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271
** * * * * * * * * * * * *	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152	3	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe	sistor sistor e e cctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153	Mark = + 1	===== C 751 C 752 C 753 C 755 751 752 753 751 836 837 751 836 8 751 8 752	836 752		. <u></u>	 erri-ln	 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240
** * * * * * * * * * * * *	Q 51 Q 81 84 84 82 83 82 B2	3	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe	sistor sistor e e cctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153	Mark = + 1	C 751 C 752 C 755 C 755 751 752 753 751 836 837 751 836 8 751	836 752		. <u></u>	 erri-ln	 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271
**	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152	2	Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e cctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS103 VRTB4VS153 CWB1039	Mark = + 1	751 752 753 751 752 753 751 836 837 751 836 837 751 836 837 751 836 837 751	836 752 837		. <u></u>	 erri-ln	 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230
**	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152	3 Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e cctor iiter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS333 VRTB4VS153 CWB1039	Mark = + 1	752 753 751 752 753 751 836 837 751 836 877 751 836 877 837 837 837 837 837 837 837 837 837	836 752 837		F (C)	erri-In oil	ductor		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9RIJSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241
**	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 101 152	Circuit S:	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS333 VRTB4VS153 CWB1039	Mark = + 1	751 752 753 751 752 753 751 836 837 751 836 837 751 836 837 751 836 837 751	836 752 837		F (C)	erri-In oil	 -		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230
**	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152	Circuit S:	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA155K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS103 VRTB4VS153 CWB1039 Part No	Mark = +	751 752 753 751 752 753 751 836 837 751 836 8 751 8 752 8 753 8 754 751	836 752 837		F (C)	erri-In oil	ductor		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9RIJSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241
** ** * * * ** ** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152	Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153 CWB1039 Part No	Mark = + 1	751 752 753 751 752 753 751 836 837 751 836 8 751 8 752 8 753 8 754 751	836 752 837		F (C)	erri-In oil	ductor		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9RIJSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241
** ** * * * ** ** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 CF 51 VR 51 VR 52 VR 53 VR 101 152	Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153 CWB1039 Part No. RS1/10S331J RS1/10S0R0J	Mark = +	751 752 753 751 752 753 751 836 837 751 836 8 751 8 752 8 753 8 754 751 0RS	836 752 837 756		Fr C	erri-ln oil eramic	ductor		PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241 CSS1051
** ** * * * ** ** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152	Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153 CWB1039 Part No	Mark = +	751 752 753 751 752 753 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 837 837 837 837 837 837 837 837 837	836 752 837 756	Circuit	Fi C:	erri-In oil eramic	ductor Resonator	art Name	PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241 CSS1051
** ** * * * ** ** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152 CTORS	Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS153 CWB1039 Part No. RS1/10S331J RS1/10S0R0J RS1/10S0R0J RS1/10S332J	Mark = +	751 752 753 751 752 753 751 836 837 751 836 8751 8752 8753 751 8754 751 751 751	836 752 837 756	Circuit	Fi C:	erri-ln oil eramic ! & No.	ductor Resonator	ert Name	PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241 CSS1051
**	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152 CTORS	Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS103 VRTB4VS153 CWB1039 Part No. RS1/10S331J RS1/10S103J RS1/10S0R0J RS1/10S332J RS1/10S223J	Mark = +	751 R 36 R 36 R 751 R 36 R 3	836 752 837 756	Circuit	C (Symbo) 761 7	erri-ln oil eramic ! & No.	ductor Resonator Pa	ert Name	PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241 CSS1051 Part No.
** ** * * * ** ** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152 CTORS	Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS103 VRTB4VS153 CWB1039 Part No. RS1/10S331J RS1/10S103J RS1/10S472J RS1/10S223J RS1/10S222J	Mark = +	753 P 754 P 753 P 753 P 754 P 755 P 755 P 751 P 752 P 753 P 751 P 752 P 753 P 754 P 755 P	836 752 837 756 755	Circuit 757 759 771 794	C (Symbo) 761 7	erri-ln oil eramic ! & No.	ductor Resonator Pa	ert Name	PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1230 CWW1241 CSS1051 Part No
**	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152 CTORS	Circuit S	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS103 VRTB4VS153 CWB1039 Part No. RS1/10S331J RS1/10S103J RS1/10S0R0J RS1/10S332J RS1/10S223J	Mark = +		836 752 837 756 755	Circuit 757 759 771 794	C (Symbo) 761 7	erri-ln oil eramic ! & No.	ductor Resonator Pa	ert Name	PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1271 CWW1240 CWW1251 Part No. RS1/10S102J RS1/10S102J RS1/10S102J RS1/10S102J
** ** * * * ** ** **	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152 STORS	Circuit S:	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS103 VRTB4VS153 CWB1039 Part No. RS1/10S331J RS1/10S103J RS1/10S472J RS1/10S223J RS1/10S222J	Mark = +*	751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 837 751 836 752 753 750 752 753 750 772 773	836 752 837 756 755	Circuit 757 759 771 794	C (Symbo) 761 7	erri-ln oil eramic ! & No.	ductor Resonator Pa	ert Name	PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1271 CWW1240 CWW1230 CWW1241 CSS1051 Part No. RS1/10S102J RS1/10S102J RS1/10S102J RS1/10S473J RD1/4PS103JL
**	Q 51 Q 81 84 Q 82 83 D 81 D 82 L 11 L 51 T 51 VR 51 VR 52 VR 53 VR 101 152 STORS ===================================	Circuit S:	Chip Tran Chip Tran Chip Diod Chip Diod Chip Indu Inductor Coil Ceramic F Semi-fixe Semi-fixe Semi-fixe FM Front	sistor sistor e e ctor ilter d 22kΩ (B) d 10kΩ (B) d 33kΩ (B) d 15kΩ (B)	DTC124EK 2SA1162 2SC3295 MA153-MC MA151K-MH CTF1086 LAU150K CTC1029 CTF-182 VRTB4VS223 VRTB4VS103 VRTB4VS103 VRTB4VS153 CWB1039 Part No.	Mark = +*		836 752 837 756 755	Circuit 757 759 771 794	C (Symbo) 761 7	erri-ln oil eramic ! & No.	ductor Resonator Pa	ert Name	PD5094 MSM82C51A-2RS-H CWV1002 ON3111 DTC114ES DTA114ES 2SD1859 ERA15-02VH 1SS133 RD9R1JSB1 CTF-157 CTF1070 CWW1271 CWW1240 CWW1271 CWW1240 CWW1251 Part No. RS1/10S102J RS1/10S102J RS1/10S102J RS1/10S102J

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Mark ======= Circuit	Symbol & No. ==== Part Name	Part No.	Mark	===	=====	= C	Circuit Symbol & No. ==== Part Name	Part No.
R 775 799		RD1/2PS121JL	*	D	811			KNOKTOOL
R 776		RD1/4PS222JL			812			ERA15-02VH
R 777		RD1/4PS331JL			813			H Z 6 L B 1 R D 5 R 6 J S B 2
R 778		RD1/4PS562JL			814			RD5R1JSB1
R 784		RD1/4PS682JL	*	υ	853			
R 785 786 787		RD1/4PS122JL		L	701		Ferri-Inductor	CTF-157
R 790		RS1/10S471J		L	702		Ferri-Inductor	LAU150K
R 791		RS1/10S105J			701			CWW1048 CWW1230
R 793		RD1/4PS473JL			702 7	103		CWW1231
R 795 796 837		RD1/4PS102JL		1 B	704			•
R 797 798 836		RD1/4PS471JL		18	705	706	709 710	CWW 1 2 3 3
CAPACITORS				18	707			CWW1153
CALACITORS				l B	708			CWW1126
Mark ======= Circuit	t Symbol & No. ==== Part Name	Part No.			851		Crystal Resonator	CWW1232 CSS1029
					701 501	502		VRTB6VS471
C 751 772		CKSYB473K50 CKSQYB102K50	**	* 11	301	002	V , , , , , , , , , , , , , , , , ,	
C 752 754 758 C 755 756		CCSQCH101J50	RESI	ISTO	RS			
C 757		CCSOCH330J50						0 . 11-
C 773		CEA101M10LS	Mark	k ==		==	Circuit Symbol & No. ==== Part Name	Part No.
		0.4.0.4.0.1.0.14.1.6					702 703 704 734 735 853 870 871	RD1/4PS473JL
C 774		CASA010M16 CEA470M16LS					818 822 833 869	RD1/4PS103JL
C 836		CKPYY103M16L					824 827 829	RS1/10S103J
C 837 839 C 838		CEA221M10L2			505			RD1/4PS101JL
0 000				R	506	705	708 709 710 711 713 714 715 742	RD1/4PS102JL
Unit Humber:				D	701			RS1/10S105J
Unit Name : Control	Unit					707	718 738 740 930 935 937 946 948	RS1/10S473J
M COCLIANICOUS							730 731 732	RS1/10S227J
MISCELLANEOUS				R	716	717	719 728 814	RD1/4PS471JL
Mark ====== Circui	t Symbol & No. ==== Part Name	Part No.		R	720		(KEH-M9741ZT KEH-M9741ZT-02)	RD1/4PS471JL
		KHA147A		D	720		(KEH-9641ZT KEH-9641ZT-02)	RD1/4PSOROJL
** IC 501		PD4167B					723 724 725 726 727 819 821 823	RD1/4PS222JL
** C 701 ** C 702		PDH001			733		(KEH-M9741ZT KEH-M9741ZT-02)	RD1/4PS104JL
** 1C 703		M51957BL			733		(KEH-9641ZT KEH-9641ZT-02)	RD1/4PSOROJL
** 1C 704		CWV 1 0 0 1		R	736	815	816 817 931 932 934 938 942 943	R\$1/10\$104J
		TC4028BP		R	737	739	741 743 745 746 747 748 749 923	RS1/10S102J
** IC 705		DT5C144E			744			RS1/108471J
** C 706 812 851 ** C 707 708		MB88306P			811			RD1/4PS223JL
** 1C 709		TC35095P			812			RS1P150JL
** IC 710		CWW1178		R	825	851	852 933 961 962 966	RD1/4PS222JL
		KHA241		R	826	828	832 926 939 950 951 952 953 954	RD1/4P\$102JL
** IC 811 ** Q 501 703 831 83	2 022 052 057 050	DTC144ES					863 864 865	RD1/4PS8R2JL
** Q 501 /03 831 83 ** Q 502	2 833 852 861 605	DTA144ES			861	862		RD1/4PS9R1JL
** 0 701 702 816 81	7	2 S C 2 4 5 8			866		(KEH-M9741ZT KEH-M9741ZT-02)	RD1/4PS130JL RD1/4PS6R8JL
** Q 811		2 S B 9 4 2		К	867			,
		1002171		R	868			RD1/4PS221JL
** Q 812		2 S C 3 4 7 4 2 S D 1 8 5 9		R				RD1/4PS473JL
** Q 813		DTC144TS		R		927	7 928 929	RS1/10S102J RS1/10S223J
** Q 814 815 ** Q 818 819 825 83	I	2 S B 1 2 4 3		R	936	0.41	1	RD1/4PS104JL
** Q 823 824		DTB133HV		H	340	341	•	,,-,-
		DT01: (50		A	944	945	5 947 949 963 965 967 968	R\$1/10\$104J
** Q 826 834		DTC114ES		R	955	956		RD1/4PS102JL
** Q 827 828 829	C	2 S B 1 2 4 3 D T B 1 1 3 Z V			960			RS1/10S473J
** Q 851 863 864 86 ** Q 853 854 855 85	0 0 0 0 0 5 6 8 5 7 8 5 8 8 5 9 8 6 1	2801859		F	969			RS1/10S474J
** Q 853 854 855 85 ** Q 860 (KEF	H-M9741ZT KEH-M9741ZT-02)	2 S D 1 8 5 9						
		DTD1403W						
** Q 866 (KEH	H-M9741ZT KEH-M9741ZT-02)	DTB113ZV						
	09 710 711 712 713 714 H-M9741ZT KEH-M9741ZT-02)	188133 188133						
	U-m314171 VCU-m314171-071	HZ3LLB						
* D 707 * D 718 719		RD7R5JSB3						
₩ ₩ 1 EV 1 EV								

CAPACITORS		Unit Number: Unit Name : Tuner Amp Unit
Mark ===== Circuit Symbol & No. ==== Part Name	Part No.	
C 501 502 C 503 504	CKPYB681K50L CEANL4R7M35LL	
C 505 506 718 719	CEA470M6R3LS	Consists of
C 507 508 C 509		■ Tuner P. C. Board ■ Power Amp P. C. Board
C 510	CEA221M10L2 CEA470M16L2	
C 511 C 512		MISCELLANEOUS
C 701 702 C 703 716 813 818 822 824 835 875	CCSQCH330J50 CKSYB473K50	Mark ====== Circuit Symbol & No. ==== Part Name Part No.
C 704 705	CASA010M16	** IC 25 KHA168
C 706 712 713 717 C 707	CKSQYF473Z25 CEAR22M50l2	** IC 27 PA5011 ** IC 451 CX-7925B
C 708	CEANL3R3M50LL	
C 709	CQEA223J50	** 1C 552 KHA163
		** IC 553 (KEH-M97412T KEH-9641ZT) KHA222B
C 710	CQMA103J50LL	** IC 553 (KEH-M97412T-02 KEH-9641ZT-02) KHA249B ** IC 555 KHA233
C 714 715 817 832 851 950 953 954		** IC 556 (KEH-M97412T KEH-M97412T-02) KHA232A
C 720 833 834 955		** IC 601 602 TA8221H
C 811 470 μ F/16V C 812 816	CCH-114 CEA100M16L2	** IC 603 KHA229
		** 1C 604 M51957BL
C 814 825	CEA010M50L2	** 0 61 454 2\$C3113 ** 0 153 164 883 884 886 887 888 890 2\$C2458
C 815 4700 µ F/16V C 819 823	CCH1061 CEA101M10L2	** Q 452 25K33 Q
C 820 2200 µ F/16V	CCH1001	
C 821	CEA470M16LS CEA100M25L2	** Q 456 457 878 879 880 DTA11 4ES ** Q 458 803 DTC12 4ES
C 874	CENTOUM2 JEZ	** Q 551 28C28728
		** Q 601 602 28C3665
Unit Number : Unit Name : Key Board Unit		** Q 802 2SB12 43
		** 0 804 DTB11 4ES
MISCELLANEOUS		** Q 876 877 2SC17 40S ** Q 881 882 2S894 2
Mark ====== Circuit Symbol & No. ==== Part Name	Part No.	** Q 885 2SA10 48
	LC7582P	** Q 889 891 2SD18 59
** IC 901 ** Q 901 902 903	2 S D 1 2 2 6 M F	* D 26 27
** !L 901 903 904 905 918 Lamp 8V 60mA	CEL1063	* D 28 61 161 162 454 601 602 802 879 885 ISS13 3
** 1 902 915 916 917	CEL1128 CEL1124	* D 455 RD287 ESB1 * D 551 RD581 JSB2
** 908 911 Lamp 8V 100mA	0111114	* D 551 RD5R1JS82 * D 603 MA204WK
** IL 919 Lamp 8V 60mA	CEL1098	
** 1L 920 921	CEL1063 CEL1128	* D 876 878 5727L C * D 877 SM-3-08LFEA
LCD	CAW1044	* D 880 RD8R2 JSB2
		* D 881 883 MTZ18 JB
RESISTORS		* D 884 887 MA205
Mark ======= Circuit Symbol & No. ==== Part Name		* D 886 RD8R7 JS82
R 901	RD1/4PS473JL	* D 889 HZ2CL * D 890 RD9R; JSB2
R 902 903 904 905	RD1/4PS102JL	L 26 Ferri-Inductor LAUROM
R 906 907 908	RD1/4PS8R2JL	L 451 Ferri-Inductor LAUNOK
CAPACITORS		L 876 Choke Coil CTH1V69 L 877 Coil CTF-{35
Mark ======= Circuit Symbol & No. ==== Part Name		L 878 Coil CTH1170
	CKPYB681K50L	T 26 Transformer CTC-19-5
C 901 C 902	CKPYY103M16L	CG 26 27 DSP-10 IM-S00B
C 903	CKPY8102K50L	
		CR 26 CWW1 45 X 451 Crystal Resonator CSS101 1
		X 451 Crystal Resonator CSS10 1 1
98		** FU 601 602 Fuse 6.3A CEKI10 8

RESISTORS		Mark ====== Circuit Symbol & No. ==== Part Name P	art No.
Mark ===== Circuit Symbol & No. ==== Part Name	Part No.	C 451 465 466	CEA470M16L2
		0 430	CGCYX103K25
R 26	RD1/4PS681JL	0 434	CCCCH180J50
R 28 458 461 558 591 657 886	RD1/4PS102JL	0 400	CCCCH090D50
R 29 660 661 877 879 892 894	RD1/4PS223JL	C 459 4. 7 \mu F/16V	CCH1005
R 32	RD1/4PSOROJL		
R 51 882 883	RD1/4PS104JL		COMA 103 J 50
		0 401	CKCYB102K50
R 62 188 559 560 579 603 604 621 890	RD1/4PS103JL	0 403 401 332 330 000 000 000 000	CKPYY103M16L
R 63	RD1/4PS123JL		CEA2R2M50LS2
R 64 65 468 469	RD1/4PSOROJL	C 551 553	CEA471M10L2
R 161 162 163 164 171 172 189 250	RD1/4PS222JL		CQEA184J63
R 169 170	RD1/4PS333JL		CEA2R2M35NPLL
	001/40010011	0 011 012 000	CEA2R2M35NPLL
R 173	RD1/4PS100JL RD1/4PS391JL	0 001 002 011 010	CEA2R2M50L2
R 190 625	RD1/4PS471JL	0 000 004 013 020 000	CEA220M16L2
R 451 452 453 888	RD1/4P\$332JL	0 001 008 021 022	VERTE VIII VEE
R 454 887 898	RD1/4PS272JL	C 611 612 613 614 625 626 627 628	CQEA154J63
R 459 460 557	11017 41 021202	0 011 012 010 011 020 121	CCH-114
n 464 655	RD1/4P\$152JL	0 010 010 020 000	CEA221M16L2
R 462 655 R 463 592 601 602 611 612 622 630 631 876	RD1/4PS472JL	0 001 001	CCHIOOI
R 470 590 623 624 626 632 633 656 805 807	RD1/4PS473JL	0 010 000	CGCYX473K25
R 553 554 659 803 893	RD1/4PS222JL	0 011 013 004 003 032 030	
R 551 552 (KEH-M9741ZT KEH-M9741ZT-02)	RD1/4PS272JL	C 878 1000 µ F/16V	CCH1003
K 331 332 (KEII-M314121 KEII H314121 VZ)		0 010	CEA4R7M16NPLL
R 555 556 808	RD1/4PS562JL	0 000	CEA100M25L2
R 567 568 569 570	RD1/4PS823JL		CEA101M16L2
R 571 572	RD1/4PS152JL		
R 573 574	RD1/4PS182JL	Unit Number:	
R 605 606 613 614	RD1/4PS122JL	Unit Name: Volume Unit	
" ••• ••• •••			
R 607 608 609 610 615 616 617 618	RD1/4PS2R2JL		
R 619	RD1/4PS153JL	Volume Unit	
R 620	RD1/4PS331JL		
R 651 652	RD1/2PS010JL	Consists of	
R 653	RD1/4PS682JL	• Volume P. C. Board A	
		• Volume P. C Board B	
R 654	RD1/2PS181JL		
R 658	RS1P101JL	Mark ===== Circuit Symbol & No. ==== Part Name	Part No.
R 662 664 804 806	RD1/4PS221JL		
R 663	RD1/4PSOROJL		CEL1114
R 665	RD1/4PS821JL		CCS1119
			CCS1106
R 809	RD1/4PS561JL	R 913	RD1/4PS102JL
R 880	RD1/4PS472JL	C 904	CEA220M10LS
R 881	RD1/4PS183JL		
R 884	RD1/4PS184JL	Unit Number:	
R 885	RD1/4PS303JL	Unit Name : Switch P. C. Board	
R 887	RD1/4PS103JL		
R 889 896	RD1/4PS101JL	Mark ===== Circuit Symbol & No. ==== Part Name	Part No.
R 891 895 899	RD1/4PS103JL		
R 897	RD1/4PS473JL	** S 1 Switch (CST SET)	CSN-089
n - 001			CSN1003
CAPACITORS		MR 1 2 Magnetic Resistive Device	SDME106B
Mark ====== Circuit Symbol & No. ==== Part Name	Part No.		
C 26 32 34 62 64 163 166 170 171 186	CKPYY103M16L		
C 27	CCPCH100J50L		
C 28 63 568 569 570 609 610 623 624	CKPYB102K50L		
C 29 33 633 886	CEA100M16L2		
C 30 552	CEA220M10L2		
	04040 (3147)		
C 31	CKPYB471K50L		
C 61 324 452 456 590 591 806	CGCYX473K25		
C 167 168 554	CEA010M50NPLI	L	
C 169 566 567	CEATOIMIOL2		
C 185	CEAR15M50LS2		

KEH-M9741ZT

Unit Number:
Unit Name: P.C. Board Unit

Mark ====== Circuit Symbol & No. ==== Part Name Part No.

* D 1 2 3 4 1S1555

Miscellaneous Parts List

Mark ======= Circuit Symbol & No. ==== Part Name Part No.

** HD 1 Head Unit CXA2490

** M 1 2 Motor Unit (Head, FF/REW) CXM2429

** M 3 Motor (Capstan) CXM1007

** S 4 Switch (Door) CSN1005